



ONTARIO

Report

MINISTER OF LANDS AND FORESTS

For the Fiscal Year ending

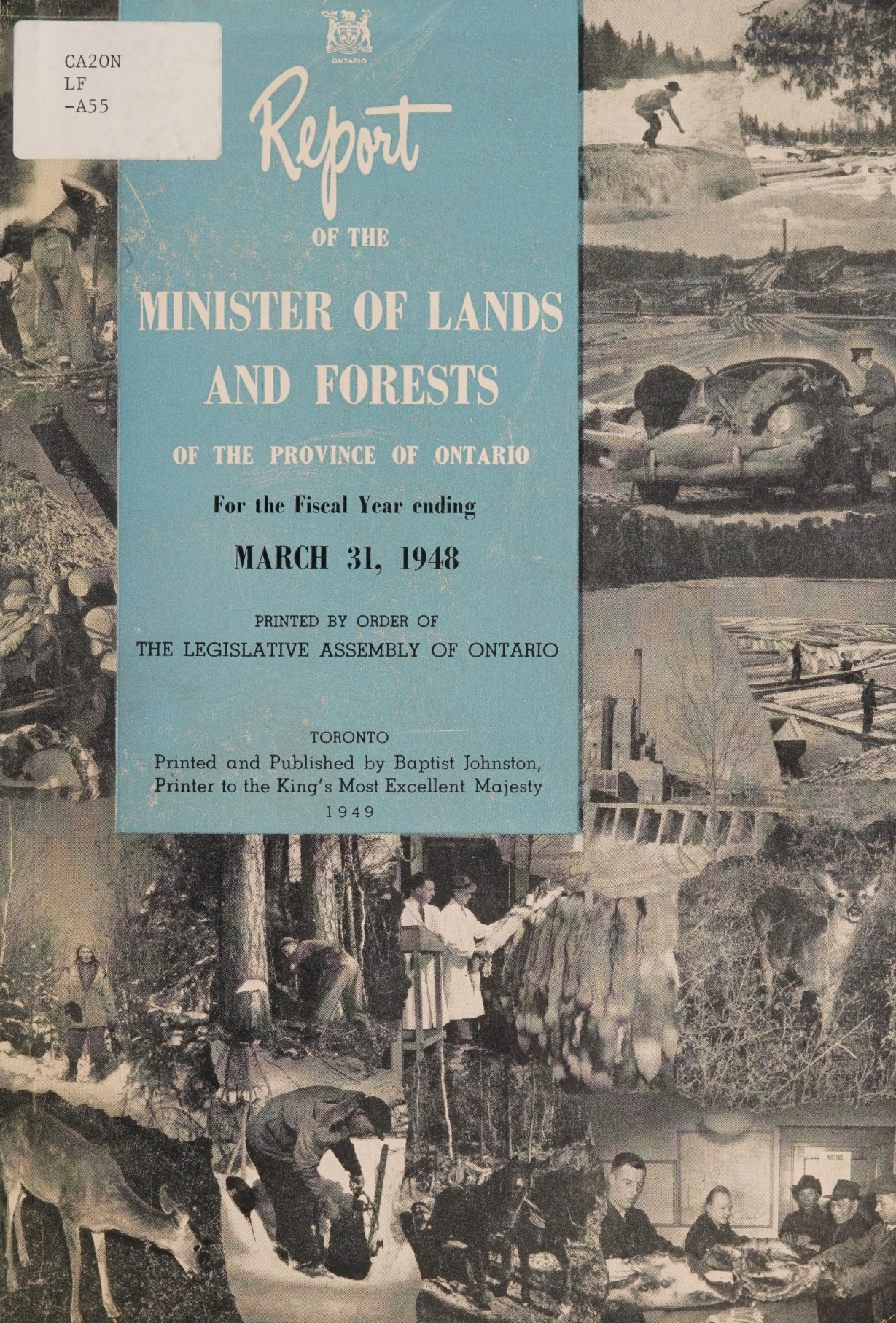
MARCH 31, 1948

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO

Printed and Published by Baptist Johnston,
Printer to the King's Most Excellent Majesty

1949





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REPORT
OF THE
Minister of Lands and Forests
OF THE
PROVINCE OF ONTARIO

For the Fiscal Year ending
March 31, 1948

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 3, 1949



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TO HIS HONOUR,

The Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

The undersigned begs respectfully to present to your Honour, the Annual Report of the Department of Lands and Forests for the fiscal year April 1, 1947, to March 31, 1948.

H. R. SCOTT,

Minister.

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REPORT
OF THE
MINISTER OF LANDS AND FORESTS
OF THE
PROVINCE OF ONTARIO
FOR THE FISCAL YEAR ENDING MARCH 31, 1948

The work of the Department is dealt with in the following pages under the names of the various Divisions as follows:

THE DIVISION OF ACCOUNTS
THE DIVISION OF AIR SERVICE
THE DIVISION OF FISH AND WILDLIFE
THE DIVISION OF FOREST PROTECTION
THE DIVISION OF LAND AND RECREATIONAL AREAS
THE DIVISION OF LAW
THE DIVISION OF OPERATION AND PERSONNEL
THE DIVISION OF REFORESTATION
THE DIVISION OF RESEARCH
THE DIVISION OF SURVEYS AND ENGINEERING
THE DIVISION OF TIMBER MANAGEMENT

All events of note are recorded under the above headings.



A BEAVER KIT EXPLORING THE TOP OF HIS LODGE

DIVISION OF ACCOUNTS

GENERAL

The financial report sets out a substantial increase—\$438,832.—in expenditure appropriation of the Department as compared with the previous year. This increased appropriation was required for:—

- (1) Extra Fire Fighting.
- (2) Expansion in the field work of the Fish and Wildlife, Timber Management, and Reforestation Divisions.

Accounting for the Division of Air Service was re-organized as of 1st April 1947. The result of this re-organization is illustrated by the several accounting statements appearing herein, particularly those having reference to the detailed costs of operating.

FINANCIAL REPORT

1. *Cash Receipts and Disbursements:*

The following summarizes the result of operations for the year ending March 31, 1948:

Total—Cash Receipts.....	\$10,682,403.47
Total—Cash Disbursements.....	7,598,611.94
Excess of Receipts over Disbursements.....	\$3,083,791.53

2. *Comparison of Results with Those of Prior Years:*(a) *Receipts*

In Schedule A, page 10, cash receipts for the year under review have been compared with those of the previous four years. This data may be summarized as follows:

DIVISION	Years ending March 31st				
	1944	1945	1946	1947	1948
	\$	\$	\$	\$	\$
Accounts—					
Water Power Rentals.....	618,901	609,425	654,979	680,568	694,859
Provincial Land Tax.....	158,745	175,342	209,459	204,475	185,470
Long Lac Diversion.....	21,750	21,300	20,850	20,400	19,950
Miscellaneous.....	5,939	20,388	9,048	46,071	24,825
Air Service.....	19,448	12,417	25,284	15,258	8,376
Fish & Wildlife (1944-47)					
(Game & Fisheries Dept.).....	975,073	1,193,034	1,651,166	2,248,201	2,420,661
Forest Protection.....	22,917	26,850	30,943	46,402	53,230
Land and Recreational Areas.....	273,754	294,308	338,258	430,644	393,938
Reforestation.....	26,138	10,559	19,386	25,373	25,562
Surveys.....	13,293	1,275	459	1,652	501
Timber Management.....	4,561,734	4,241,581	5,554,781	6,944,104	6,855,031
Lignite Development.....	16				
	<u>6,697,708</u>	<u>6,606,479</u>	<u>8,514,613</u>	<u>10,663,148</u>	<u>10,682,403</u>

(b) The following is a comparison of total disbursements for the five years ending March 31, 1948:

	Years ending March 31st				
	1944	1945	1946	1947	1948
	\$	\$	\$	\$	\$
DEPARTMENT OF LANDS AND FORESTS					
Total Disbursements—					
Chargeable to Appropriation as voted.....	3,040,901	3,572,225	3,988,394	5,961,806	7,598,612
Additional Disbursements—					
Uncontrollable items chargeable to Special Warrants.....			111,000		
DEPARTMENT OF GAME AND FISHERIES					
Total Disbursements—					
Chargeable to Appropriation as voted.....	574,525	638,765	748,661	1,197,974	.....
Total Disbursements.....	3,615,426	4,210,990	4,848,055	7,159,780	7,598,612

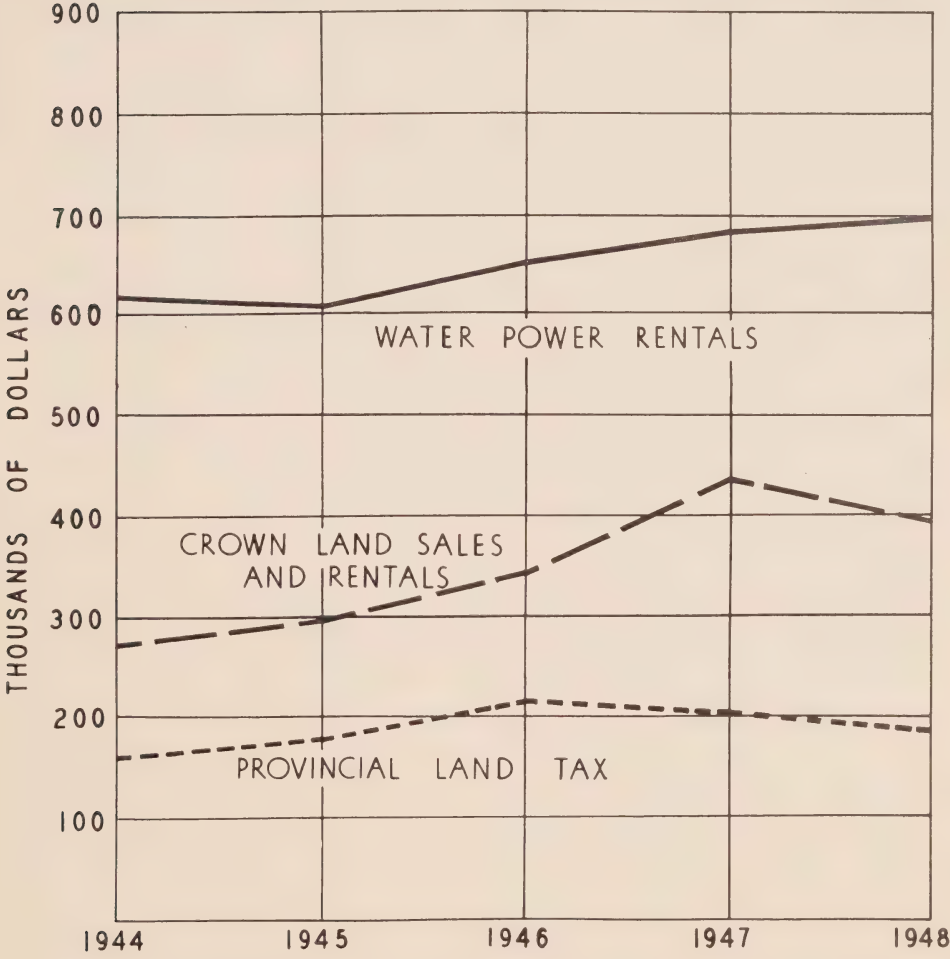
TREND OF DEPARTMENTAL REVENUE
TIMBER RETURNS—CROWN DUES—GROUND RENT & FIRE TAX CHARGES
FOR THE FIVE YEARS ENDING 31 MARCH 1948



TREND OF DEPARTMENTAL REVENUE

WATER POWER RENTALS
CROWN LAND SALES AND RENTALS
PROVINCIAL LAND TAX

FOR THE FIVE YEARS ENDING 31 MARCH 1948



Schedule A

DEPARTMENT OF
COMPARISON OF RECEIPTS FOR

	1944
DIVISION OF ACCOUNTS	
Water Power Rentals.....	\$ 618,901.26
Provincial Land Tax.....	158,744.95
Long Lac Diversion.....	21,750.00
Refunds—Re Flowage Easements.....	93.76
Casual Fees, Etc.....	2,924.52
Galt Lease.....	2,921.00
Contractor's Security Deposit on Forest Insect Laboratory Construction Project.....	
Contractor's Security Deposit on Forest Ranger School.....	
Contractor's Security Deposit on Forest Resources Inventory.....	
Contractor's Security Deposit on Petawawa Forest Access Road.....	
	805,335.49
DIVISION OF AIR SERVICE	
Miscellaneous.....	19,448.31
DIVISION OF FISH AND WILDLIFE	
Licenses, Royalty, Sundry (1944-47 Game and Fisheries Dept.).....	975,072.60
DIVISION OF FOREST PROTECTION	
Miscellaneous.....	22,916.40
DIVISION OF LANDS AND RECREATIONAL AREAS	
Land Sales.....	118,745.26
Land Rentals (Other than Parks).....	107,517.94
Park Revenue—Including Park Rentals	
Algonquin.....	22,422.53
Rondeau.....	15,201.66
Quetico.....	6,435.81
Ipperwash Beach.....	235.80
Miscellaneous Revenue.....	3,195.43
	273,754.43
DIVISION OF REFORESTATION	
Miscellaneous.....	26,137.92
DIVISION OF SURVEYS	
Lac Seul Storage Dam.....	11,685.22
Aerial Surveys—Net Receipts.....	1,607.26
	13,292.48
DIVISION OF TIMBER MANAGEMENT	
Crown Dues, Ground Rent, Fire Tax, Etc.....	4,561,733.49
LIGNITE DEVELOPMENT	
Miscellaneous.....	16.44
Total Receipts.....	6,697,707.56

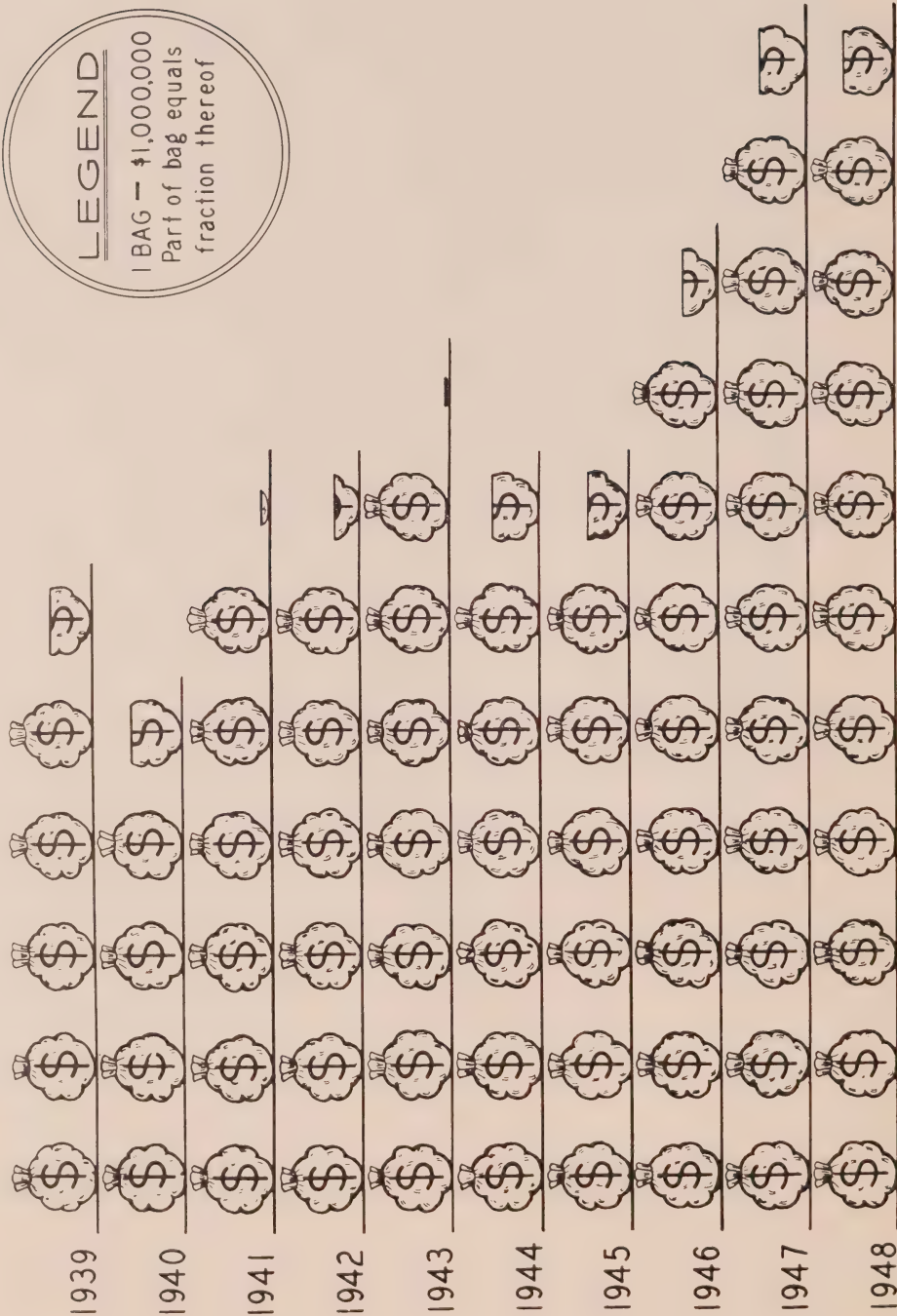
LANDS AND FORESTS

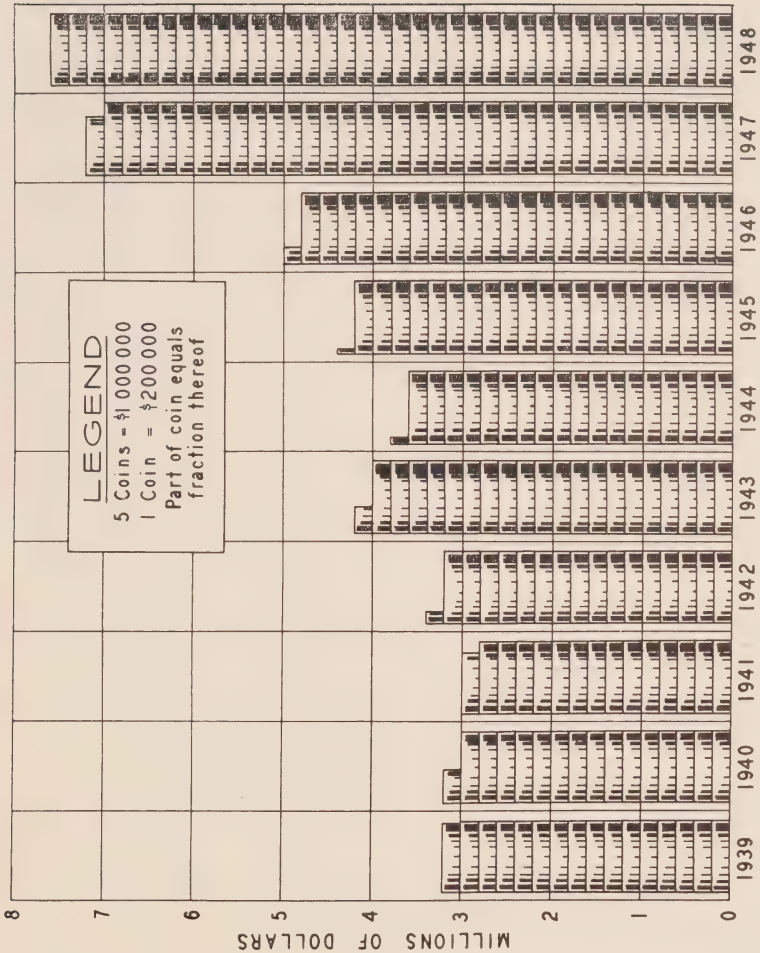
Schedule A

5 YEARS ENDING MARCH 31, 1948

1945	1946	1947	1948
\$ 609,425.12	\$ 654,978.77	\$ 680,568.56	\$ 694,859.07
175,341.55	209,459.44	204,474.57	185,470.29
21,300.00	20,850.00	20,400.00	19,950.00
.....
4,719.34	9,047.69	11,070.65	13,825.05
669.00	.....	.....	.....
15,000.00	.....	.....	.....
.....	.....	20,000.00	.....
.....	.....	15,000.00	.....
.....	.....	.....	11,000.00
826,455.01	894,335.90	951,513.78	925,104.41
12,416.85	25,284.13	15,258.36	8,376.00
1,193,033.72	1,651,165.66	2,248,200.65	2,420,661.17
26,850.25	30,942.78	46,401.74	53,229.92
155,219.01	193,061.14	261,865.96	215,151.77
89,484.59	90,988.56	98,893.17	108,676.48
19,573.53	23,759.48	31,238.23	32,324.38
15,152.86	15,017.47	15,998.64	17,400.74
7,572.01	8,868.97	13,755.06	1,072.03
623.15	575.50	1,238.25	2,111.94
6,683.40	5,986.66	7,655.05	17,200.79
294,308.55	338,257.78	430,644.36	393,938.13
10,558.66	19,386.47	25,373.17	25,562.25
1,274.94	458.95	1,651.44	500.61
1,274.94	458.95	1,651.44	500.61
4,241,581.00	5,554,781.31	6,944,104.39	6,855,030.98
6,606,478.98	8,514,612.98	10,663,174.89	10,682,403.47

RECEIPTS (INCLUDES FORMER GAME AND FISHERIES DEPT)





DISBURSEMENTS (INCLUDES FORMER GAME AND FISHERIES DEPARTMENT)



DELIVERY IN THE COMING YEAR OF THE NEW DE HAVILLAND BEAVER AIRCRAFT, BUILT TO THE DEPARTMENT'S SPECIFICATIONS, WILL GREATLY INCREASE THE ABILITY OF THE DIVISION OF AIR SERVICE IN FOREST FIRE DETECTION AND SUPPRESSION.

DIVISION OF AIR SERVICE

General

During the fiscal period involved, the Service took out a Class 5 Licence as issued by the Air Transport Board. This licence permits of our engaging in, for hire, any type of emergency or philanthropic flying, as well as a certain limited amount of co-operation with timber operators.

New Construction and Expansion

Construction has been started on a splendid new addition to the Air Service hangar and work shops. At the time of reporting, this work is well on its way to completion.

The Department of Public Works built for the Department of Lands and Forests, three new summer staff cottages at Orient Bay, as well as two at Port Arthur and two at Geraldton for all-year-round occupancy.

The Air Service also constructed from materials which had been on hand for a couple of years, one summer staff cottage at Caribou Lake.

Equipment

Three new Norseman seaplanes were delivered in the early spring of 1947. One was lost on operations at Poshkokagan Lake during the summer.

The Department was able to interest a Canadian manufacturer in the design and development of a semi-suppression bush seaplane, designed and built to a specification laid down by our own Department. The Beaver is now actually licensed for wheels, skis and floats and is in production. This seaplane gives every evidence of unusually fine performance and the Department has presently placed an order for twelve to be delivered as quickly as they can be manufactured.

During the same period, the Department purchased six war-surplus Harvards for the express purpose of recovering the engines, propellers and instruments.

A change has been made in respect of servicing aircraft radio equipment. Two specially trained men of the Radio Section of the Division of Forest Protection were assigned to this important work; one with headquarters at Sault Ste. Marie and the other at our Western Divisional Headquarters at Sioux Lookout. All aircraft radio servicing was done by these two men.

Winter Operations

Normal winter operations were again carried out from Algonquin Park, Quetico Park, Gogama and Sioux Lookout.

Maintenance of Service Buildings

Normal maintenance of Service property and buildings was carried out as usual.

Accidents

It is a pleasure to report that there were no serious accidents to any of our personnel during the period dealt with.

New Housing Statistics

Permanent Dwellings.....	4
Summer Dwellings.....	4
Type of Construction.....	Frame
Approximate Accommodation (in each).....	Family of 4

The following tables are submitted as supplementary to this Report:

- Table I —Allocation of Aircraft.
- Table II —Hours Flown on Various Phases of Flying Operations.
- Table III—Totals.
- Table IV—Flying Time—Pilots.

TABLE No. I

ALLOCATION OF AIRCRAFT

1947-48

<i>Base</i>	<i>Registration</i>	<i>Type</i>
Algonquin Park.....	CF-BGN	Stinson
Biscotasing.....	CF-OFB	Norseman
Caribou Lake.....	CF-OBP	Norseman
Fort Frances.....	CF-OBM	Norseman
Geraldton.....	G-CAPA	Moth
Gogama.....	G-CAPB	Moth
Ignace.....	CF-BGM	Stinson
Kenora.....	CF-OBO	Norseman
Oba Lake.....	CF-OBH	Norseman
	G-CAOW	Moth
Orient Bay.....	CF-OBL	Norseman
	CF-OBQ	Norseman
Pays Plat.....	CF-OAW	Stinson
Parry Sound.....	CF-BGJ	Stinson
Pickle Lake.....	CF-OBK	Norseman
Port Arthur.....	CF-OBE	Norseman
Red Lake.....	CF-OBK	Norseman
Remi Lake.....	CF-OAY	Stinson
Sault Ste. Marie.....	CF-OBK	Norseman
	CF-OBK	Stinson
Sioux Lookout.....	CF-OBK	Norseman
	CF-OBK	Stinson
	CF-OBK	Norseman
South Porcupine.....	CF-OBK	Norseman
Sudbury.....	CF-OAP	Fairchild 71
	CF-OAS	Buhl
Timagami.....	CF-OAV	Stinson
Twin Lakes.....	CF-OBK	Norseman
	G-CAOU	Moth
Toronto.....	CF-BIM	Stinson

TABLE No. II

HOURS FLOWN ON VARIOUS PHASES OF FLYING OPERATIONS

	1924-47	1947-48	Total
Fire Detection.....	43,566.20	1,784.45	45,351.05
Game Conservation (Fish and Wildlife).....	863.20	724.00	1,587.20
Fire Suppression.....	36,045.16	1,895.15	37,940.31
Photography.....	1,413.20	.20	1,413.40
Sketching.....	4,087.33	45.45	4,133.18
Transportation—Ordinary.....	40,857.00	2,938.45	43,795.45
Transportation—Special.....	8,043.47	312.50	8,356.37
Mercy Flights.....	314.32	15.45	330.17
Ferrying.....	6,538.07	276.25	6,814.32
Forced Landings.....	943.49	72.40	1,016.29
Flying Instruction.....	2,977.02	8.50	2,985.52
Observers Instruction.....	94.09	.....	94.09
Operations.....	5,694.53	268.15	5,963.08
Tests—Aircraft.....	1,574.47	31.50	1,606.37
Dusting Operations—Ont. Govt.....	326.05	.....	326.05
Dusting Operations—B.C. Govt.....	86.20	.....	86.20
Tests—Radio.....	85.40	2.40	88.20
Department of Entomology.....	302.00	81.35	383.35
Department of Research (Sulphur Fumes).....	250.35	187.20	437.55
	154,064.35	8,647.00	162,711.35

TABLE No. III

TOTALS

	1924-47	1947-48	Total
Passengers Carried.....	121,249	17,962	139,211
Personnel Carried.....	80,055	3,932	83,987
Total Passengers and Personnel Carried.....	201,304	21,894	223,198
Effective Loads Flown, Lbs.....	42,877,091	4,821,225	47,698,316
Effective Loads Flown, Tons.....	21,438T	2,410T	23,849T
	1,091 lbs.	1,225 lbs.	316 lbs.

TABLE No. IV

FLYING TIME—PILOTS

Pilots	1924-47	1947-48	Total
Bliss, W. H. F.....	91.20	395.50	487.10
Burt, A. E.....	1,790.40	302.10	2,092.50
Buckworth, W. B.....	2,933.40	62.15	2,995.55
Burton, E. C.....	1,452.20	203.50	1,656.10
Burton, J. O.....	.....	278.05	278.05
Blockley, H. T.....	240.40	355.55	596.35
Cooke, T. C.....	215.05	408.15	623.20
Culliton, J. P.....	2,486.50	186.30	2,673.20
Denley, J. G.....	849.40	297.55	1,147.35
Donnelly, J. T.....	1,033.40	303.30	1,337.10
Fiskar, U. W.....	2,275.05	66.50	2,341.55
Gillard, M. V.....	4,729.30	214.40	4,944.10
Hallatt, H. M.....	.....	264.55	264.55
Hull, C. L.....	.....	304.00	304.00
Kincaid, J.....	943.05	222.20	1,165.25
Kingdon, O. F.....	388.05	307.40	695.45
Larden, J. K.....	.....	143.05	143.05
LeFeuvre, C. J.....	2,777.00	274.40	3,051.40
MacDougall, F. A.....	3,267.05	199.55	3,467.00
Ponsford, G. E.....	440.20	26.15	466.35
Pipe, J. T.....	1,158.40	386.35	1,545.15
Parsons, R.....	1,958.40	507.05	2,465.45
Phillips, G. H. R.....	6,860.55	343.15	7,204.10
Poulin, L. D.....	1,845.50	492.00	2,337.50
Reid, D. M.....	273.55	220.30	494.25
Smith, A. B.....	1,421.25	349.10	1,770.35
Siegel, J.....	510.20	209.55	720.15
Speight, H. C.....	871.20	218.35	1,089.55
Trussler, G. E.....	3,526.20	331.00	3,857.20
Taylor, J. M.....	2,090.45	238.40	2,329.25
Westaway, H. W.....	4,150.50	414.25	4,565.15
Woodside, T.....	4,115.52	117.15	4,233.07
Noorduy, P.....	9.15	.....	9.15
All Other Pilots.....	99,356.23	.....	99,356.23
TOTAL.....	154,064.35	8,647.00	162,711.35



A RACCOON FEEDING ON A FROG

DIVISION OF FISH AND WILDLIFE

WILDLIFE MANAGEMENT

Migratory Birds

The duck and goose population of North America dropped to a critically low level in the winter of 1946-47.

The number of days shooting was cut from $21\frac{1}{2}$ months to 45 days. The bag limit for ducks was cut from 12 per day to 7 per day. The seasonal bag limit for ducks was removed and in its place a possession limit of 14 ducks was established. The seasonal bag limit for geese was retained at 25, but a possession limit of 15 was also enforced.

A spring woodcock census, along lines developed by the Dominion Wildlife Service, was commenced this year.

Upland Game

The numbers and distribution of the various groups of pinnated grouse on Manitoulin Island were studied and mapped during the summer.

Fur-Bearing Animals

Statistics regarding the actual harvest of various species are given at the end of this report.

Introduced Wildlife

There was a general increase in the supply of pheasants in the whole Lake Erie area, from Niagara to Windsor. In the Toronto region, on the other hand, pheasant populations remain very low. As the difference cannot be accounted for by differences in the distribution of hatchery stock which was spread over the whole area, it must be explained by a local improvement in the supply of wild-hatched birds, which is still not general over the pheasant area.

Hungarian Partridge are still not numerous enough to provide an open season.

A sharp local decline in the numbers of European hare has focussed attention on that species. It has hitherto not manifested any major fluctuations in numbers. Because the decline is local it is hard to say whether the cause is natural fluctuations or intensive hunting, but the "jacks" are certainly not able to stand up under heavy hunting as well as they did in the past.

Control of Cormorants

Investigations carried out in 1946 revealed that the population of Double-crested Cormorants on the Great Lakes and Lake of the Woods had very largely increased during recent years. A circular report has been issued on this.

Trap-line Management

During the 1947 Session the following new section was added to the Game and Fisheries Act:—

8a—"A licence to trap fur-bearing animals on Crown lands shall be

- (1) subject to such limitations as to territory and the number of fur-bearing animals which may be taken as the Minister may deem proper.

- (2) The Minister may limit the number of licences to be issued for any area of Crown land. 1947, Amendment."

The purpose of this amendment was to give a legislative basis to the system of trap-line management wherein the trapping on any one area is carried out by one licensee only. Forms of licence and application were duly established by regulation, and the way was cleared for registering trap-lines on Crown lands in Ontario.

An essential feature of trap-line management is the adjustment of the take of furs to the actual production. The basis for establishing this has to be a knowledge of the number of animals. For beaver this information is easy to obtain and is required from the trappers on their licence application form. A quota can likewise be fixed in the annual open season. In order to consolidate beaver management, the following section was added to the Act during the 1947 Session of the Legislature:

27 (1a) "Beaver skins and pelts shall be sealed or marked by an officer before sale, and no fur dealer or buyer shall have unsealed or unmarked beaver skins or pelts in his possession. 1947, Amendment."

Serially numbered lock seals of the box-car seal type have been provided.

A close estimate of the number of Trap-line Licences issued during the 1947-48 trapping season is 5,215. This includes approximately 2,000 licences issued to Indian trappers on family group trap-lines in the Patricia District and 250 to Indian trappers north of Cochrane. The breakdown by districts is as follows:—

District	Trap-line Licences
Algonquin.....	40
Chapleau.....	275
Cochrane.....	200+250 Indian
Fort Frances.....	125
Geraldton.....	100
Gogama.....	150
Kapuskasing.....	250
Kenora.....	275
Lake Simcoe.....	25
North Bay.....	200
Parry Sound.....	100
Port Arthur.....	300
Quinte.....	125
Sault Ste. Marie.....	350
Sioux Lookout.....	250+2,000 Indian
Sudbury.....	200
	<hr/> 2,965

On the whole the new regulations have worked out very well during the past trapping season and considering the number of licences issued comparatively few complaints have been received. Several minor changes to the regulations were recommended at the recent Specialists and Indian Agents meetings which can be put into effect in time for the next trapping season.

Co-operation with Wildlife Management Institute

The Department engaged in a pheasant scheme for Pelee Island in co-operation with the Wildlife Management Institute, Washington, D.C.

Wildlife Propagation

Pheasants were raised under contract at the Department's farms at Normandale and Codrington. In addition, deficiencies in our requirements were made up by purchase from private breeders. 22,000 pheasants were distributed.

Wildlife Harvest

Records returned by 161 hunters in the central "deer block" of Ontario show a kill of 69 deer, or 1 per 2.2 hunters, about the same as last year. The number of days hunted was 1,201, so that 17 days were required to kill a deer, on the average, or one more day than the length of the season. In Bruce County, 47 hunters killed 27 deer in 237 days, which indicates somewhat better hunting. Other records not tabulated show that deer hunting was best in Manitoulin Island and near the Manitoba border. In some parts of the latter area an overpopulation of deer is indicated. Detailed tabulation of voluntary returns for biological analysis is deferred until their volume is great enough to give statistically useful figures.

There were 1,500 deer and 101 moose exported in 1947 through the port of Sault Ste. Marie. Through ports in the Rainy River District there were exported 304 moose, 3,860 deer, 188 bear and 2 caribou. The two caribou and an unknown proportion of the other game originated west of Ontario.

On No. 11 Highway officers of the Department checked 9,570 returning hunters from November 12 to 25th, including 1,359 non-residents. They had killed 3,277 deer, 4 moose, 112 bears and 3 wolves. This makes 1 deer per 2.9 hunters, probably more accurate a figure than that obtained from the small voluntary return sample, although it covers a smaller area.

Road patrols in the Haliburton and Peterborough county areas checked 1,478 hunters who had killed 787 deer, 27 bears and 1 wolf. This works out to 1 deer per 1.9 hunters. The voluntary return previously cited covers all the areas touched by road checks, and the figures of 1 deer per 2.2 hunters and 1 per 2.7 hunters may be compared. The latter is certainly more accurate.

On Pelee Island there were 4,800 cock pheasants taken. Using the method of estimation by the sex-ratio before and after the shoot, the total population of pheasants on the island at the time of the shoot was 5,500 cock and 6,500 hen pheasants, a total of 12,000.

The take of pheasants in the Toronto and Hamilton areas was extremely light, probably as low as it has ever been, but the kill in the Lake Erie region was higher than in years immediately preceding. The kill of ruffed grouse in the Province was evidently much greater than 1946, so that the low period of the grouse cycle may be said to have been passed.

Wildlife Surveys

During the summer two field parties carried out wildlife inventories of the counties of Lambton and Durham. These were for the purpose of obtaining accurate records of the condition of streams, ponds, marshes, forests and fields with respect to wildlife, and the local interrelationships of physiography and land use with wildlife management.

Fur Farming

During the calendar year 1947, 1,768 Fur Farmers' Licences were issued;

1,389 being renewals of previous licences; 346 for newly-established fur farms and 33 licences were issued with retroactive provisions to legalize the possession of fur-bearing animals during the previous year.

Departmental records show that during the fiscal year 1947-48, ranchers disposed of the fox and mink production in the following manner:

Species	Exported	Tanned	Total Pelts
Fox (Cross).....	6	3	9
Fox (Silver or Black).....	25,051	2,458	27,509
Fox (Blue).....	2,081	40	2,121
Mink.....	120,621	5,208	125,829
Total.....	147,759	7,709	155,468

Wolf Bounty

In accordance with the regulations made under The Wolf and Bear Bounty Act, 1946, certain changes with respect to wolf bounty procedure were implemented.

Effective November 1st, 1947, the District Foresters, other than those located in counties, were appointed as officers authorized to accept and mark wolf pelts that are produced as evidence to support claims for bounty.

The pelts of wolves killed in counties continue to be marked at Head Office.

In investing District Foresters with this power, it was felt that the necessary changes would modernize and bring wolf bounty procedure in line with the general policy of the Department in decentralising administration duties.

This change also carried with it benefits to all concerned, i.e., the applicant, District Office and Head Office.

The wolf bounty claim form was amended to embody the changes and separate forms are now in use for claiming bounty on wolves killed in counties and on wolves killed in districts.

A change with respect to the payment of claims by County Treasurers on wolves killed in counties, was also implemented which provides a direct safeguard to County Treasurers.

A uniform method of marking the pelts was adopted to ensure that the same pelt could not be resubmitted for bounty in another district.

Under The Wolf and Bear Bounty Act, 1946, a \$25.00 bounty on a timber or brush wolf three months of age or over and a \$5.00 bounty on a timber or brush wolf under three months of age, is paid.

The following is a comparative statement showing annual wolf bounty statistics for a period of five years, ending with the fiscal year 1947-48:

Period	Timber	Brush	Pups	Total	Bounty & Expenses
For year ending March 31, 1944. . . .	1,302	731	32	2,065	\$46,545.75
For year ending March 31, 1945. . . .	1,321	665	12	1,998	45,993.58
For year ending March 31, 1946. . . .	1,266	777	30	2,073	44,999.87
For year ending March 31, 1947. . . .	1,440	1,182	42	2,664	59,275.18
For year ending March 31, 1948. . . .	1,515	961	74	2,540	54,923.38

Bear Bounty

There was a marked decrease in the number of bears killed during the period covered by this report.

1946-47		1947-48	
Bears	Cubs	Bears	Cubs
959	73	509	17

TOTAL VALUE OF PELTS EXPORTED OR TANNED

During the year ending March 31, 1948

	Pelts Exported	Pelts Tanned	Total Pelts	Value of Pelts
Bear.	70	267	337	\$ 842.50
Beaver.	20,083	19	20,102	671,406.80
Fisher.	1,133	26	1,159	43,462.50
Fox (Cross).	768	67	835	4,358.70
Fox (Red).	14,363	3,611	17,974	38,464.36
Fox (Silver or Black).	81	44	125	1,793.75
Fox (White).	118	8	126	2,142.00
Fox (Not Specified).	2	9	11	23.54
Lynx.	615	27	642	15,196.14
Marten.	1,289	44	1,333	31,392.15
Mink.	26,920	718	27,638	959,038.60
Muskrat.	568,404	279,965	848,369	2,010,634.53
Otter.	5,067	5	15,072	124,771.20
Raccoon.	21,468	985	22,453	56,132.50
Skunk.	15,804	260	16,064	11,726.72
Weasel.	38,754	252	39,006	69,430.68
Wolverine.	2	1	3	30.00
TOTAL.	714,941	286,308	1,001,249	\$4,040,846.67

STATEMENT OF RANCH RAISED PELTS EXPORTED OR TANNED*

For the year ending March 31, 1948

	Pelts Exported	Pelts Tanned	Total Pelts	Value of Pelts
Fox (Cross).	6	3	9	\$ 46.98
Fox (Silver or Black).	25,051	2,458	27,509	394,754.13
Fox (Blue).	2,081	40	2,121	32,345.25
Mink.	120,621	5,208	125,829	1,918,892.25
TOTAL.	147,759	7,709	155,468	\$2,346,038.61

ENFORCEMENT

A total in excess of \$4,700.00 was realized from the sale of confiscated articles.

GAME FISH AND HATCHERIES SECTION

During the year, twenty-seven hatcheries and rearing stations were in operation. The following is a summary of the year's distribution.

Brown Trout

The 375,850 yearlings that were planted constitute an all time record for this species. There was an increase of 40% over the previous year's planting of yearlings.

SUMMARY OF FISH DISTRIBUTION BY AGE GROUPS

April 1, 1947 to March 31, 1948

SPECIES	FRY	FINGERLINGS	YEARLINGS	ADULTS	TOTALS
WHITEFISH.....	233,316,125	.....	.....	.....	233,316,125
HERRING.....	23,940,000	.....	.....	.....	23,940,000
PERCH.....	12,000,000	.....	.....	.....	12,000,000
PICKEREL.....	254,030,000	.....	.....	.....	254,030,000
MASKINONGE.....	2,790,000	11,540	.....	127	2,801,667
BROWN TROUT.....	.....	.....	375,850	.....	375,850
SPECKLED TROUT.....	.....	517,400	2,802,150	1,860	3,321,410
LAKE TROUT.....	.....	3,467,645	89,050	.....	3,556,695
KAMLOOPS TROUT.....	.....	.....	16,100	115	16,215
RAINBOW TROUT.....	.....	3,850	.....	.....	3,850
SMALLMOUTH BASS.....	1,457,000	579,925	.....	5,099	2,042,024
LARGEMOUTH BASS.....	305,000	6,100	.....	876	311,976
ATLANTIC SALMON.....	.....	59,000	.....	.....	59,000
	527,838,125	4,645,460	3,283,150	8,077	535,774,812

COMMERCIAL FISHING

A total of 2,421 commercial fishing licences were issued in Ontario for 1947 and the industry employed some 4,026 persons. The total production of all species of fish from these licences was 24,922,420 pounds, bringing in a revenue to the fishermen of \$4,803,253.97. In comparison the total catch for 1946 was 33,000,119 pounds and the revenue to the fishermen was \$5,597,028.88. The value of commercial fishing equipment, as reported for 1947, was \$5,147,029.00. This shows an increase of \$383,251.00 over the previous year's value of equipment.

The overall picture of the market value of the catch to the fishermen for the year 1947 showed a value of \$4,803,253.97. This was a decrease of \$793,774.91 as compared to the preceding year, 1946, which was \$5,597,028.88. The decrease in the catch of Lake Herring in Lake Erie undoubtedly played a big part in this decline.

COMPARATIVE TABLE OF FISH DISTRIBUTION ACCORDING TO SPECIES

1943 to 1947

SPECIES	1943	1944	1945	1946	1947
LARGEMOUTH BASS					
Fry.....	507,500	130,000	.....	.....	305,000
Fingerlings.....	38,500	14,600	5,000	9,500	6,100
Yearlings and Adults..	290	51	.....	27	876
SMALLMOUTH BASS					
Fry.....	1,512,000	2,030,000	448,000	385,000	1,457,000
Fingerlings.....	392,700	664,400	348,368	312,710	579,925
Yearlings and Adults..	1,369	2,834	5,322	4,418	5,099
MASKINONGE					
Fry.....	1,165,000	2,705,000	2,030,000	1,150,000	2,790,000
Fingerlings.....	2,150	2,952	200	6,875	11,540
Adults.....	.....	.....	.....	.....	127
PERCH					
Fry.....	19,000,000	18,480,000	12,000,000	20,450,000	12,000,000
PICKEREL (Yellow)					
Fry.....	263,875,000	271,265,000	177,595,000	142,385,000	254,030,000
PICKEREL (Blue)					
Fry.....	150,000	.....	.....	.....	.....
BROWN TROUT					
Eggs and Fry.....	10,000	.....	50,000	.....	.....
Fingerlings.....	1,000	.....	.....	133,025	.....
Yearlings.....	303,335	330,750	224,749	268,940	375,850
LAKE TROUT					
Eggs and Fry.....	325,000	3,176,500	765,000	2,265,000	.....
Fingerlings.....	8,048,800	3,475,995	7,248,040	3,609,195	3,467,645
Yearlings.....	60,860	44,108	88,700	28,045	89,050
RAINBOW TROUT					
Fingerlings.....	73,242	32,186	5,563	.....	3,850
Yearlings.....	15,450	3,900	.....	1,610	.....
KAMLOOPS TROUT					
Yearlings.....	5,000	7,200	9,900	.....	16,100
Adults.....	.....	.....	.....	4,850	115
SPECKLED TROUT					
Fry.....	5,000	.....	5,000	50,000	.....
Fingerlings.....	9,400	493,840	117,300	84,730	517,400
Yearlings.....	3,083,983	2,876,963	3,005,573	2,760,780	2,802,150
Adults.....	10,292	4,360	4,467	8,656	1,860
WHITEFISH					
Fry.....	371,677,500	259,435,000	240,786,775	205,590,000	233,316,125
HERRING					
Fry.....	24,560,000	5,662,000	6,405,000	69,674,000	23,946,000
MINNOWS					
Adults.....	.....	25,000	4,000	.....	.....
ATLANTIC SALMON					
Fingerlings.....	.....	30,000	41,350	88,210	59,000
TOTALS.....	694,833,371	570,892,549	451,193,307	449,270,571	535,774,812

Commercial Fishing Investigations

1. *Baited Hook Lines—Lake Erie and Lake St. Clair*

Investigations were carried out during the summer to determine the effect, beneficial or otherwise, of the baited hooks, especially catfish hooks, on (a) angling (b) other commercial fishing. The results of this investigation would indicate that this is a suitable method for taking catfish and bullheads and does not interfere, in general, with either angling or other commercial fishing.

The investigation in Lake St. Clair, where both catfish and sturgeon hooks are fished, indicated the desirability of issuing only one licence to cover the taking of both species of fish, rather than a separate licence for each species.

2. *Trout Hooks—Georgian Bay*

Some investigation of the operation of trout hooks in Georgian Bay was carried out but insufficient information was obtained to warrant the drawing of any conclusion.

3. *Blue Pickerel and Perch Fishing—Lake Ontario*

A short study of this industry was made and the information obtained, while very limited, has proved valuable and indicates the size of mesh suitable for taking these fish in gill nets.

Pollution Investigations

The following waters were examined with reference to possible pollution:

Laurel Stream at Waterloo

Gengrich Stream at Baden

Canagagigue Stream at Baden

Speed River near Hespeler

Spanish River near Espanola

Seine River in Rainy River District

Nith River at New Hamburg

St. Lawrence River near Cornwall

Nation River at Chesterville, and

Ottawa River near Ottawa.

COMPARATIVE STATEMENT OF THE YIELD OF THE FISHERIES
OF ONTARIO BY LAKE

Lake	1946 Pounds	1947 Pounds	Increase Pounds	Decrease Pounds
Ontario.....	2,058,698	2,001,519	.....	57,179
Erie.....	18,925,344	12,333,922	.....	6,591,422
St. Clair.....	493,402	466,386	.....	27,016
Huron.....	953,799	1,106,986	153,187	.....
Georgian Bay.....	1,292,226	666,488	.....	625,738
North Channel.....	289,710	266,640	.....	23,070
Superior.....	3,588,689	2,829,606	.....	759,083
North Inland Waters.....	4,719,299	4,802,434	83,135	.....
South Inland Waters.....	678,952	448,439	.....	230,513
TOTAL.....	33,000,119	24,922,420	236,322	8,314,021
Net Decrease.....	.....	.....	.....	8,077,699

COMPARATIVE STATEMENT OF THE YIELD OF THE FISHERIES
OF ONTARIO

Kind	1946 Pounds	1947 Pounds	Increase Pounds	Decrease Pounds
Carp.....	759,233	505,749	.....	253,484
Catfish.....	629,695	667,185	37,490	.....
Caviare.....	2,807	3,164	357	.....
Eels.....	51,484	35,734	.....	15,750
Herring.....	11,576,606	4,310,953	.....	7,265,653
Mixed and Coarse.....	3,843,559	3,566,275	.....	277,284
Perch.....	2,973,467	2,646,911	.....	326,556
Pickrel (Blue).....	1,972,265	1,752,695*	.....	219,570*
Pickrel (Yellow).....	2,716,040	2,947,395	231,355	.....
Pike.....	1,015,624	1,020,823	5,199	.....
Saugers.....	.....	162,808*	162,808*	.....
Sturgeon.....	185,225	176,675	.....	8,550
Lake Trout.....	2,514,489	1,878,547	.....	635,942
Tullibee.....	308,570	305,742	.....	2,828
Whitfish.....	4,451,055	4,941,764	490,709	.....
TOTALS.....	33,000,119	24,922,420	927,918	9,005,617
Net Decrease.....	.....	.....	.....	8,077,699

*Previous to 1947, Saugers were grouped with Blue Pickerel. In 1947, however, Saugers have been segregated from Blue Pickerel and listed separately.

STATISTICS OF THE FISHING INDUSTRY IN THE PUBLIC WATERS OF ONTARIO
For the year ending December 31, 1947
EQUIPMENT

District	No. of Men	Tugs		Gasoline Launches		Sail and Row Boats		Gill Nets		Seine Nets		Pound Nets		Hoop Nets		Dip and Roll Nets		Night Lines		Trolling Lines		Freezers & Ice Houses		Piers and Wharves		Total Value \$	
		No.	Tons	No.	Value \$	No.	Value \$	Yards	Value \$	No.	Yards	No.	Value \$	No.	Value \$	No.	Value \$	No.	Value \$	No.	Value \$	No.	Value \$	No.	Value \$		
North Inland Waters.	1,012	8	110	216	131,745	365	27,970	729,899	146,171			46	22,135	57	2,835	14	49	7,550	523		155	45,250	134	24,250	465,013		
	392	16	481	127	157,375	66	7,615	1,409,984	228,226			31	17,800							8	45	52	33,800	49	18,545	584,406	
	161	2	80	60	84,725	24	1,840	552,626	86,352			98	80,500							4	10	49	34,550	16	5,550	328,527	
	47	1	12	21	16,450	24	2,095	85,300	12,665			33	14,200								13	3,400	11	4,150	57,960		
	305	8	203	96	111,420	82	4,650	1,070,918	146,019	2	200	125	21	19,200	33	775			26,400	4,472	6	15	44	17,525	34	14,205	391,406
Georgian Bay	75			31	21,588	42	4,268			11	3,000	2,743	148	32,625					6,000	451		15	8,800	10	4,640	75,115	
Lake St. Clair	1,197	76	1,542	197	519,691	124	16,330	3,754,688	661,154	40	9,475	10,375	749	400,000	27	4,445	1	10	3,300	154		119	303,725	116	83,200	2,807,784	
Lake Erie	631	1	19	223	157,295	181	11,601	1,248,302	170,944	9	1,485	1,245	9	9,000	775	29,948	10	3,153	4,650	388	16	80	32	11,227	29	5,275	403,156
Lake Ontario	206			15	3,825	115	6,383	2,000	600	37	3,600	5,685			348	16,140	19	134	1,800	155		7	640	1	100	33,662	
South Inland Waters.																											
Totals	4,026	112	2,447	986	1,204,114	1,023	82,752	8,853,717	1,452,131	99	17,760	20,173	1,135	655,460	1,240	54,143	44	3,346	49,700	6,143	34	150	486	458,917	400	159,915	5,147,029

STATISTICS OF THE FISHING INDUSTRY IN THE PUBLIC WATERS OF ONTARIO

For the year ending December 31, 1947

QUANTITIES OF FISH TAKEN

District	Herring lbs.	Whitefish lbs.	Trout lbs.	Pike lbs.	Pickarel (Blue) lbs.	Pickarel (Dore) lbs.	Sturgeon lbs.	Eels lbs.	Perch lbs.	Tullibee lbs.	Catfish lbs.	Carp lbs.	Mixed Coarse lbs.	Caviare lbs.	Saugers lbs.	Total lbs.	Value \$ cts.
North, Inland Waters	3,715	1,155,736	150,806	897,616		1,688,283	134,314		9,412	138,392	28,403	109	582,707	1,907	11,034	4,802,434	776,844.96
Lake Superior	1,017,383	245,917	1,286,482	5,067		154,978	1,130		375	32,920		84	85,270			2,829,606	502,718.18
Lake Huron	216,611	291,912	6,530	2,141		171,057	7,785		219,001	113,112	14,735	19,005	41,228	576	3,293	1,106,989	210,851.56
North Channel		76,847	2,813	43,131		42,859	4,368		1,760		700	9,025	85,078	59		266,640	41,424.19
Georgian Bay	15,460	87,316	368,108	6,885		21,412	222		2,290	21,318	5,311	20,940	117,226			666,488	181,083.00
Lake St. Clair				7,861		35,270	4,755		28,709		69,084	67,464	238,860	289	14,094	466,386	53,567.71
Lake Erie	2,484,478	2,726,284	24	13,323	1,646,245	793,091	18,213		2,252,225		92,914	170,266	2,002,144	328	134,387	12,333,922	2,675,978.73
Lake Ontario	573,306	357,752	63,784	39,294	106,450	40,445	5,488	33,382	128,666		300,572	118,524	233,851	5		2,001,519	312,358.66
South, Inland Waters				5,505			400	2,352	4,473		155,466	100,332	179,911			448,439	48,426.98
Totals	4,310,953	4,941,764	1,878,547	1,020,823	1,752,695	2,947,395	176,675	35,734	2,646,911	305,742	667,185	505,749	3,566,275	3,164	162,808	24,922,420	
Values	836,210.22	1,280,527.96	581,023.91	83,320.20	3,460,281.00	669,287.64	132,555.90	2,167.56	431,447.35	33,451.44	92,660.04	34,999.63	239,687.53	8,697.00	30,036.59		4,803,253.97

BIOLOGICAL SURVEYS

A creel census was commenced in the Kawartha Lakes area and intensive studies were conducted on the maskinonge in its natural environment.

Studies were made on the establishment of sanctuaries for smallmouth bass in the Georgian Bay region.

By checking the commercial fishermen's chub nets in Georgian Bay and Lake Huron a survey was made to ascertain to what extent these nets catch Lake Trout.

An investigation was conducted on East Lake, Prince Edward County, to determine the effect of commercial hoop net fishing on the game fish.

A creel census was undertaken in Grey County to determine the proportion of hatchery-reared speckled trout in the angler's catch.

A creel census programme was undertaken in the District of Thunder Bay.

The experiment on Round Lake, Renfrew County to determine the effect of removal of coarse fish on the game fish population was continued. The lake was fished heavily during the summer and a large number of coarse fish removed.

Operations for the control of the sea lamprey were continued.

During the past few years, a pound net was set in the causeway leading to Osler Marsh in Lake Scugog, Ontario County, to control carp and study maskinonge and bass.

During the summer, smallmouth bass adults were harvested from the following waters:—Cook's Lake, Thunder Bay District; Fox Lake, Kenora District; Little Gull Lake, Haliburton District; and Burnt Lake, Parry Sound District.

In addition to these small mouth bass harvesting operations, one project was undertaken for the transfer of largemouth bass and maskinonge from Nogies Creek Sanctuary, Peterborough County.

Biological investigations were made on a number of lakes and streams with a view to the establishment of a sound fish management plan. These were either initial surveys or an extension of a previous one. The waters studied were as follows:—

Carleton County

Snye River

Cochrane District

Black River Watershed

Brown Trout Lake

Clearwater Lake

Deep Lake

Heart Lake

Ice Chisel Lake

Kamiskotia Lake

Kesagami Lake

Pexton Lake

Slab Lake

Red Sucker River

Leg of Lamb Lake

Tom Lake

Nipissing District

Blue Lake

Finlayson Lake

Laroche Lake

Loon Lake

Lake Timagami

Marten Lake

Marten River

McConnell Lake

Ontario County

Beaverton River

Black River

Maskinonge River

St. John Lake

Uxbridge Brook

Dufferin County

Bear Creek

Durham County

Barkwell's Stream

Frontenac County

Fall River

Granite Lake

Little Round Lake

Little Silver Lake

Lanark County

Adam Lake

Barber Lake

Bennett Lake

Davern Lake

Farren Lake

Jebb Creek

Little Silver Lake

Long Lake

Lower Rideau Lake

McGowan Lake

O'Brien Lake

Leeds County

Lyndhurst Lake

Lennox and Addington County

Cedar Lake

Middlesex County

Thames River

Manitoulin District

Lake Manitou

Muskoka District

Crooked Lake

Kahshe River

Six Mile Lake

Peterborough County

Bottle Lake

Stinson Creek

Squaw River

Prince Edward County

East Lake

Simcoe County

Bass Lake

Grouse Creek

Hawkestone Creek

Lake Couchiching

Lover Creek

Orr Lake

Silver Creek

Sparrow Lake

Severn River

Sudbury District

Ramsay Lake

Spanish River

Timiskaming District

Smith Lake

Tay Lake

Thunder Bay District

Annette Lake

Dafoe Lake

Fish Lake

Forester Lake

Little Long Lac

Spectacle Lake

Stillwater Creek

Trout Creek

York County

Mount Albert Creek

Pefferlaw Brook

Vivian Creek



FIRE FIGHTERS MOVE A PUMP UP TO A RELAY POSITION ON THE FIRELINE

DIVISION OF FOREST PROTECTION

FIRE AND HAZARD CONDITIONS

The 1947 fire season was marked by an abnormally low hazard in the spring and early summer, a normal hazard during the latter part of the summer and an unusually high hazard during the month of October.

The number of fires which occurred, 1,393, is somewhat above the average number of 1,144 for the past five years but the area burned over, 84,032 acres, is well below the five year average of 93,139 acres.

FIRE CONTROL PLANNING

Progress in fire control planning during the year included the following projects:—

1. Installation of 25 additional fire weather stations.
2. First Edition of a "Forest Protection Manual" was completed, printed, and issued.
3. First Edition of a "Fire Control Planning Manual" was completed, printed, and issued.
4. The "Area Seen Survey" was continued with four men taking part. Sixty-nine towers were mapped in the following Districts:—Cochrane, Sudbury, Chapleau, Gogama and part of Sault Ste. Marie.
5. Introduction of the use of the portable tower for tower location work in the Port Arthur District.

HAZARD DISPOSAL

No major hazard disposal projects were undertaken but some brush burning along telephone lines and roads was carried out and supervision given to a considerable amount of brush burning by settlers and woods operators along roads and around camps, etc.

INSECT CONTROL

The Dominion Department of Agriculture continued to administer the forest insect survey and to carry on investigative work in forest entomology in the Province during the past year.

The spruce budworm infestation continued during the year, particularly in the Sioux Lookout, Cochrane and Kapuskasing Districts and northern portion of the Sault Ste. Marie District.

EXPENDITURES

The total expenditures on fire protection for the year, excluding the cost of Administration and Air Service, was \$1,910,124.26. The amount of fire tax collected from woods operators was \$456,443.81. Miscellaneous revenue amounted to \$53,229.92.

IMPROVEMENTS

Total Improvements Completed to March 31, 1948

Cabins.....	561
Storehouses.....	150
Boathouses.....	61
Combined Storehouses and Boathouses.....	14
Bunkhouses.....	64
Offices.....	36
Garages and Car Houses.....	92
Other Buildings.....	220
Hose Towers.....	51
Wooden Lookout Towers.....	56
Steel Lookout Towers.....	234
Telephone Lines (Miles).....	3,956

RADIO COMMUNICATIONS

Radio Sets in Use 1947

Tower Sets.....	179
Portable Sets.....	17
Boat Sets.....	6
Pack Sets.....	6
Model 30.....	43
Model 150.....	4
Model 300.....	7
Model 32RA.....	1
Aircraft.....	22
Total.....	285

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TABLE No. 1

CLASSIFICATION OF FOREST FIRES

By Month—1947

Month	1947 No.	1946 No.	1945 No.	1944 No.	1943 No.	1942 No.	1941 No.
March.....	...	43	15	...	...	...	...
April.....	11	140	134	128	15	286	85
May.....	135	248	182	352	188	102	398
June.....	170	298	121	112	33	137	273
July.....	202	404	160	253	96	235	331
August.....	466	404	318	233	86	287	124
September.....	125	117	26	16	20	61	52
October.....	260	83	9	37	186	116	2
November.....	24	2	1	6	...	...	...
TOTALS.....	1,393	1,739	966	1,137	624	1,224	1,265

TABLE No. 2

CLASSIFICATION OF FOREST FIRES

By Origin—1947

Origin	1947 No.	1946 No.	1945 No.	1944 No.	1943 No.	1942 No.	1941 No.
Settlers.....	75	80	44	96	55	114	103
Campers.....	298	481	289	247	187	296	271
Railways.....	180	249	163	218	82	143	81
Lightning.....	410	303	121	185	100	195	278
Logging Operations.....	56	68	32	37	26	34	45
Mining Operations.....	6	11	3	1	3	3	2
Smokers.....	248	383	231	243	132	243	219
Road Construction.....	30	21	4	4	5	8	20
Incendiary.....	15	31	8	23	4	13	23
Prospectors.....	2	2	3	2	1	3	3
Miscellaneous.....	31	68	36	55	25	56	60
Unknown.....	42	42	32	26	4	116	160
TOTALS.....	1,393	1,739	966	1,137	624	1,224	1,265

TABLE No. 3
CLASSIFICATION OF FOREST FIRES
By Size—1947

Size	1947 No.	1946 No.	1945 No.	1944 No.	1943 No.	1942 No.	1941 No.
¼ Acre and under	412	490	211	241	155	276	278
Over ¼ to 5 acres	626	784	457	519	237	487	506
Over 5 to 10 acres	97	129	75	93	58	97	94
Over 10 to 100 acres	177	233	159	211	108	244	235
Over 100 to 500 acres	50	78	43	47	41	86	89
Over 500 to 1,000 acres	12	13	11	7	15	20	23
Over 1,000 to 10,000 acres	19	12	10	17	10	13	32
Over 10,000 acres . . . . .	...	...	...	2	...	1	8
TOTALS	1,393	1,739	966	1,137	624	1,224	1,265

TABLE No. 4
CLASSIFICATION OF LAND BURNED OVER
By Ownership—1947

Classification	1947	1946	1945
Crown Land—Acres	38,093	44,656	17,997
Private Land—Acres	45,939	32,113	30,513
Number of Fires	1,393	1,739	966
Total Area in Acres	84,032	76,769	48,510

FOREST FIRES IN ONTARIO
FROM 1930 TO 1947

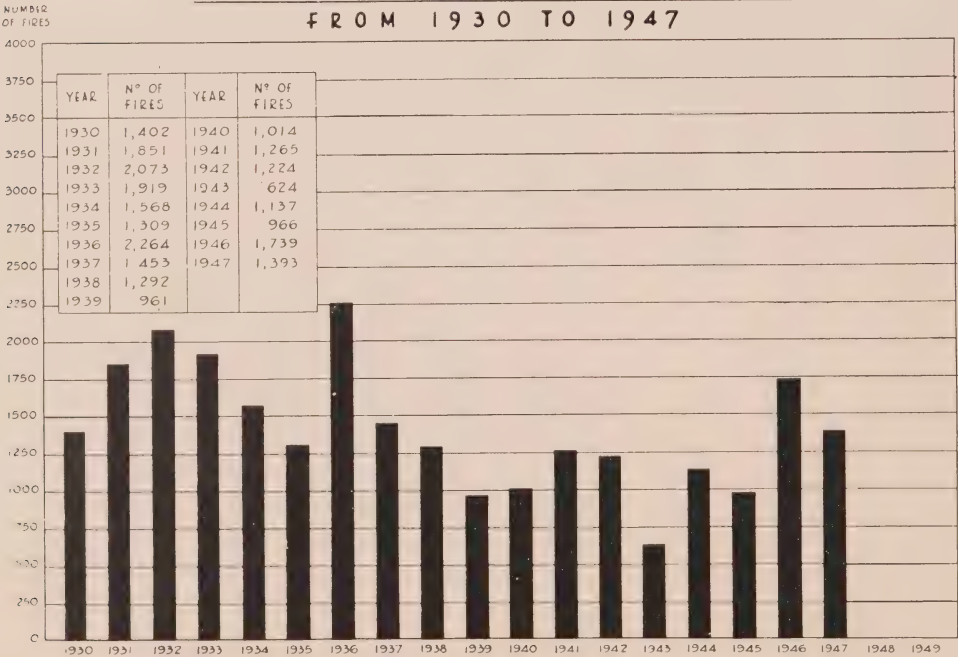


TABLE No. 5
CLASSIFICATION OF AREA BURNED OVER
By Month—1947

District	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Total
	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres
Sioux Lookout.....			9	570	1,080	548	26	1	.....	2,234
Kenora.....			50	79	161	239	8	2	.....	539
Fort Frances.....			1	5	11	1	9	.....	.....	27
Port Arthur.....		1	953	589	2,664	984	52	1,000	.....	6,243
Geraldton.....			32	4,367	6	7	7	9	.....	4,428
Kapuskasing.....			.....	14,797	16	.....	1	253	.....	15,067
Cochrane.....			125	780	26	3,055	1	861	4	4,852
Sault Ste. Marie.....		10	89	3,557	470	1,186	1,723	21,659	618	29,312
Gogama.....			8	271	14	130	3	101	3	530
Chapleau.....			.....	.....	.....	5,676	22	20	.....	5,718
Sudbury.....		43	997	919	24	3,267	326	672	44	6,292
North Bay.....			281	818	325	2,188	33	3,470	45	7,160
Parry Sound.....			126	8	5	41	18	393	15	606
Algonquin.....			5	1	.....	32	18	130	.....	186
Quinte.....		3	34	1	.....	5	1	403	1	448
Trent.....			2	6	.....	1	.....	381	.....	390
TOTALS.....		57	2,712	26,768	4,802	17,360	2,248	29,355	730	84,032
1946 Totals.....	421	2,284	13,080	25,338	20,734	11,088	1,520	2,304	.....	76,769
1945 Totals.....	373	6,788	12,171	4,389	8,379	16,186	39	165	20	48,510

ACREAGE BURNED BY FOREST FIRES IN ONTARIO
FROM 1930 TO 1947

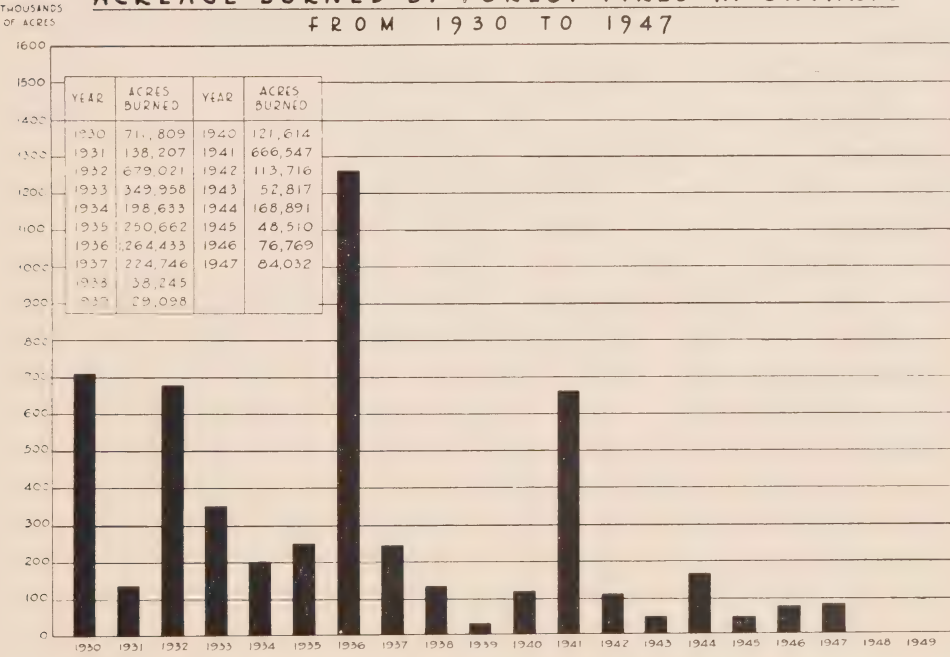


TABLE No. 6
CLASSIFICATION OF AREA BURNED OVER
By Origin—1947

Classification	1947 Acres	1946 Acres	1945 Acres
Settlers.....	3,449	2,677	1,789
Campers.....	3,091	21,898	17,902
Railways.....	12,606	9,406	3,164
Lightning.....	20,353	20,630	1,517
Logging.....	14,921	7,085	5,789
Mining.....	385	256	8
Smokers.....	24,515	12,109	15,412
Road Construction.....	1,379	873	1
Incendiary.....	577	490	134
Prospectors.....	16	4	15
Miscellaneous.....	2,244	673	2,557
Unknown.....	496	668	222
TOTALS.....	84,032	76,769	48,510

TABLE No. 7
STATEMENT OF TRAVEL PERMITS ISSUED—1947

	1947	1946	1945	1944	1943	1942	1941
Permits.....	51,187	35,794	20,393	13,510	11,004	8,358	11,353
Persons.....	146,185	112,191	70,085	41,569	28,567	24,725	36,315

TABLE No. 8
STATEMENT OF FIRE PERMITS ISSUED—1947
Number of Permits

1947	1946	1945	1944	1943	1942	1941
7,925	8,940	5,764	5,106	5,242	8,542	7,833

TABLE No. 9
MEANS OF FIRE DETECTION—1947

	Towers	Rangers	Public	Aircraft	Total Fires
1947 Totals.....	424	158	547	264	1,393
1946 Totals.....	615	260	667	197	1,739
1945 Totals.....	314	134	397	121	966

TABLE No. 10
CLASSIFICATION OF FOREST AREA BURNED OVER—1947
By Forest Type

	No. of Fires	Mature Growth		Second Growth		Young Growth		Slash Not re-stocking	Old Burn Not re-stocking	Muskeg	Barren	Grass	Total (Acres)
		Coni-ferous	Hard-wood	Coni-ferous	Hard-wood	Coni-ferous	Hard-wood						
1947 Totals.....	1,393	21,086	15,158	8,232	3,168	3,440	3,442	15,795	6,965	1,262	1,977	3,507	84,032
1946 Totals.....	1,739	9,178	2,195	7,240	2,140	15,187	6,033	12,727	8,547	3,891	4,287	5,344	76,769
1945 Totals.....	996	4,608	605	2,690	1,398	4,882	4,648	5,894	9,916	1,774	4,791	7,304	48,510
1944 Totals.....	1,137	9,981	3,255	50,564	9,565	9,158	10,546	47,849	14,043	2,816	6,125	4,989	168,891
1943 Totals.....	624	3,968	3,100	3,213	4,624	7,824	12,211	8,450	5,746	181	654	2,846	52,817
1942 Totals.....	1,224	32,157	2,083	14,336	4,010	7,313	9,171	8,993	24,164	2,172	3,361	5,956	113,716

TABLE No. 11
STATEMENT OF WORK PERMITS ISSUED 1947-48

	Mining Operations			Wood Operations			Miscellaneous Operations			Totals		
	No. of Permits	Men Engaged	No. of Permits	No. of Permits	Men Engaged	No. of Permits	No. of Permits	Men Engaged	No. of Permits	Men Engaged	No. of Permits	Men Engaged
1947—1948.....	1,156	6,506	2,083	48,059	6,575	252	3,491	6,575	3,491	61,140	3,491	61,140
1946—1947.....	1,532	8,737	1,871	54,217	4,392	93	3,496	4,392	3,496	67,346	3,496	67,346
1945—1946.....	1,209	6,611	1,520	39,496	1,173	70	2,799	1,173	2,799	47,280	2,799	47,280
1944—1945.....	1,047	4,702	915	29,047	1,178	211	2,173	1,178	2,173	34,927	2,173	34,927
1943—1944.....	750	3,507	990	29,292	1,641	582	2,272	1,641	2,272	34,440	2,272	34,440
1942—1943.....	761	3,633	868	34,463	2,098	197	1,826	2,098	1,826	40,194	1,826	40,194
1941—1942.....	1,285	6,048	834	35,043	4,988	132	2,251	4,988	2,251	46,079	2,251	46,079

TABLE No. 12
FIRE DAMAGE TABLE—1947
(Losses of standing timber calculated on value of Crown dues only)

	STANDING TIMBER											Total Timber Damage	Private Property Damage											
	Sawlogs				Pulpwood		Ties		Fuelwood		Cedar Posts			Cedar Poles		Protection Charges								
	F.B.M.		\$		Cords		\$		No.		\$			Cords		\$		No.		\$		Mature Timber		Young Growth
1947 Totals...	2,464,905	5,147.09	105,935	108,439.46	1,355	135.50	22,186	7,262.68	339	6.78	510	127.50	38,437.57	1,050.48	160,607.06	66,244.32								
1946 Totals...	14,127,346	35,035.11	12,079	11,796.70	989	98.90	21,197	8,578.65	215	4.30	628	171.00	19,873.60	7,265.97	82,824.23	273,049.93								
1945 Totals...	835,454	2,044.81	9,495	11,790.75	768	76.80	12,750	5,047.00	100	2.00	2	30.00	6,781.90	2,678.67	28,451.93	242,116.86								

TABLE No. 13
MAJOR EQUIPMENT PURCHASED AND IN USE
As of March 31, 1948

	Portable Hand Pumps		Fire Fighting Units		Fire Fighting Hose (in feet)		Tents		Blankets (pairs)		Canoes		Motor Boats		Auto Trucks		Rail-way Motor Cars		Veloci-pedes		Out-board Motors		Binoc-ulars	
	Purchased 1947-48	Total in use	Purchased 1947-48	Total now in use	Purchased 1947-48	Total now in use	Purchased 1947-48	Total now in use	Purchased 1947-48	Total now in use	Purchased 1947-48	Total now in use	Purchased 1947-48	Total now in use	Purchased 1947-48	Total now in use	Purchased 1947-48	Total now in use	Purchased 1947-48	Total now in use	Purchased 1947-48	Total now in use	Purchased 1947-48	Total now in use
Kenora.....	45	237	71	10,000	214,200	1,039	15	114	1,039	1	86	8	11	1	3	44	1	1	1	1	3	44	29	4
Sioux Lookout..	370	10	98	34,000	304,600	1,194	17	145	1,194	1	108	7	9	5	7	27	8	8	8	8	7	27	12	12
Fort Frances...	69	2	38	5,000	121,400	481	1	45	481	3	53	2	3	1	3	36	1	1	1	1	36	12	12	
Port Arthur...	219	...	86	35,000	225,800	1,407	10	124	1,407	3	58	2	4	18	4	21	3	3	3	3	21	12	5	
Geraldton.....	20	404	73	33,000	197,400	637	20	137	637	1	53	3	5	11	3	15	8	15	15	15	4	21	22	7
Kapuskasing....	96	345	31	5,000	76,100	499	8	66	499	...	64	2	3	14	3	15	6	6	6	6	2	25	24	22
Cochrane.....	300	758	64	48,500	169,600	578	12	44	578	3	64	1	2	1	21	10	10	10	10	2	26	24	22	
Sault Ste. Marie	36	335	55	33,400	178,300	1,372	8	142	1,372	1	96	1	4	3	20	1	1	1	1	1	7	23	4	22
Sudbury.....	170	3	42	11,500	104,700	782	4	138	782	1	77	1	4	3	20	1	1	1	1	1	7	23	4	22
North Bay.....	6	235	53	...	140,250	1,012	1	146	1,012	...	87	3	2	25	1	8	1	1	1	1	8	38	23	9
Gogama.....	75	...	28	81,600	...	536	10	65	536	1	60	...	3	...	6	...	5	...	...	...	15	...	14	14
Chapleau.....	93	...	19	5,000	43,700	296	...	59	296	...	56	...	1	6	1	6	...	...	...	2	15	...	14	14
Parry Sound...	45	207	5	5,000	63,400	488	12	41	488	...	48	8	1	18	4	4	5	5	5	4	20	...	14	14
Algonquin.....	166	1	29	3,100	79,300	927	10	88	927	...	78	1	5	1	10	5	5	5	2	10	34	13	13	13
Trent.....	90	...	10	3,500	16,700	133	21	21	133	8	18	2	1	10	1	10	1	1	1	11	20	3	6	6
Quinte.....	175	1	9	30,000	12,400	253	...	25	253	2	23	1	2	1	10	1	1	1	1	1	21	1	13	1
Rideau.....	9	2	2	5,000	...	284	...	1	284	1	2	...	2	1	5	1	1	1	1	1	9	...	1	1
Lake Simcoe...	14	...	6	...	...	14	...	...	14	...	1	1	1	3	1	3	...	...	...	...	...	3	3	3
Lake Huron....	4	...	1	450	...	20	4	4	20	...	1	...	2	3	3	9	...	...	...	2	1	...	2	2
Lake Erie.....	...	...	11	6,000	2,000	...	2	5	...	...	...	...	...	...	...	...	...	...	...	1	1	...	3	3
Western Region.	89	2	...	...	29,000	250	...	6	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...
Mid-Western Region.	25	...	6	...	...	...	...	4	...	...	2	...	...	...	...	...	...	...	...	...	...	1	1	1
Northern Region.	97	2	9	10,000	20,000	20	...	...	20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Central Region.	111	9	9	17,700	17,700	184	10	19	184	...	...	...	1	1	1	1	...	...	...	1	...	...	...	...
Ranger School.	12	...	2	6,000	...	429	...	...	429	...	12	...	...	...	3	47	...	...	...	2	...	...	...	...
Head Office....	...	...	4	...	...	...	14	119	...	5	9	...	...	...	...	...	...	...	...	...	12	81	86	86
Totals.....	568	4,309	51	795	295,700	12,835	175	1,558	440	30	1,041	6	61	39	279	3	47	50	63	438	93	325	325	325



TALL PINES MAKE A BEAUTIFUL SETTING FOR THIS CABIN ON THREE MILE LAKE

DIVISION OF LAND AND RECREATIONAL AREAS

The volume of work undertaken and completed in connection with the administration of Crown lands has continued to increase. This is due to three main factors:—

- (1) A clean-up of a tremendous backlog of old cases which accumulated over a period of a great many years.
- (2) Economic conditions resulting in more people having more money to buy Crown land, on the one hand, and more people having the ability financially to pay up old, long standing debts to the Crown and thereby securing proper title.
- (3) The employment of improved methods of dealing with land matters, effected through the adoption and practical application of specific regulations and by advanced training of Head Office and Field Office personnel, in addition to the implementation of policy based on uniformity of action, simplicity and co-operation generally with and by the public with whom we do business. The graphs and tables which form part of this appendix do not necessarily reflect the volume of work done, but show the number of transactions brought to final completion.

Continued study has been given to better planning for the disposition and public use of land for recreational, agricultural and other purposes in the best interests of the people generally.

Agricultural and Allied Uses

Disposition of Crown land for these purposes continued at about the same rate as the previous year.

Provincial Parks

Provincial Parks consist of:

Algonquin.....	2,741 Sq. Miles
Quetico.....	1,720 Sq. Miles
Lake Superior.....	540 Sq. Miles
Sibley.....	63 Sq. Miles
Rondeau.....	8 Sq. Miles
Ipperwash Beach.....	109 Acres

Veterans' Lands

The Department has co-operated most fully with the Federal Government in the matter of placement of veterans on Crown land, pursuant to the terms of an agreement completed between the Federal and Provincial Governments on April 10th, 1946, under the provisions of the Veterans' Land Act (Dominion), Section 35, 6 George VI, 1942.

Tourist Outfitters' Camps

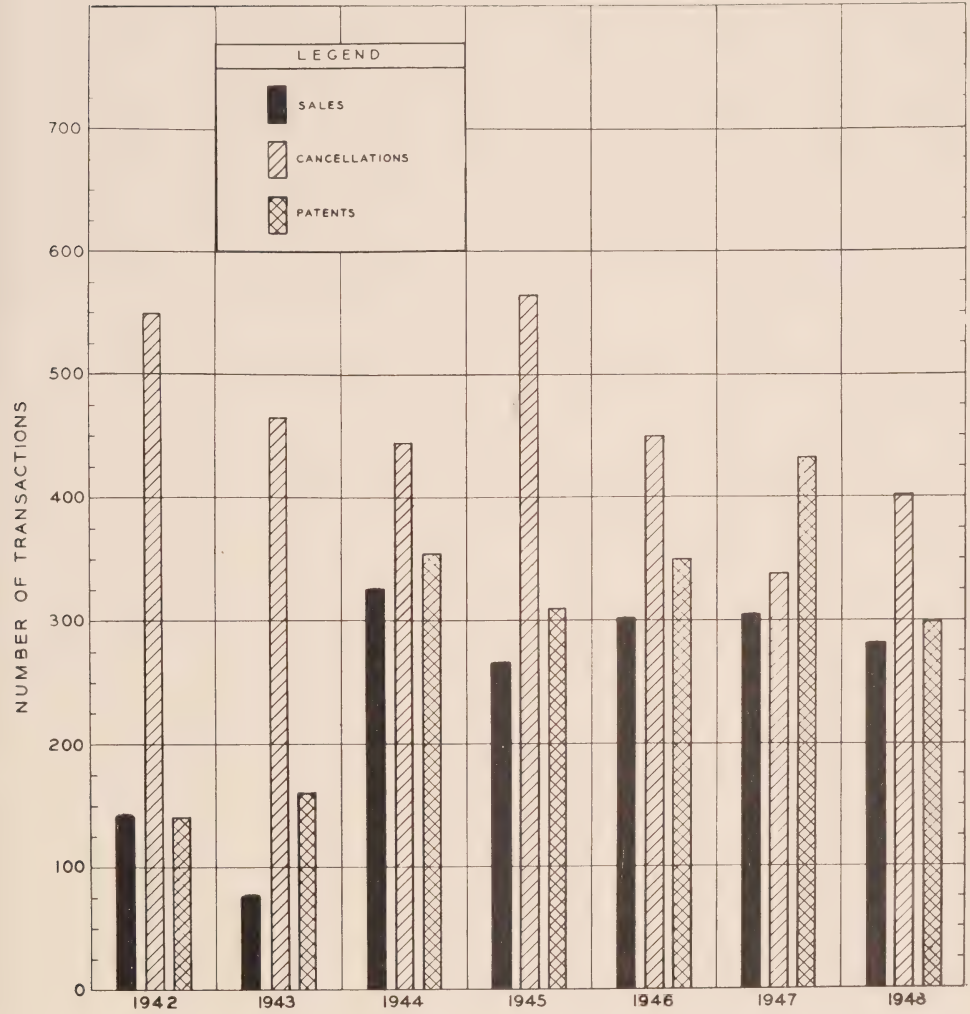
Tourist Outfitters' Camps were effectively supervised during the fishing and hunting season, and conservation laws were strictly enforced.

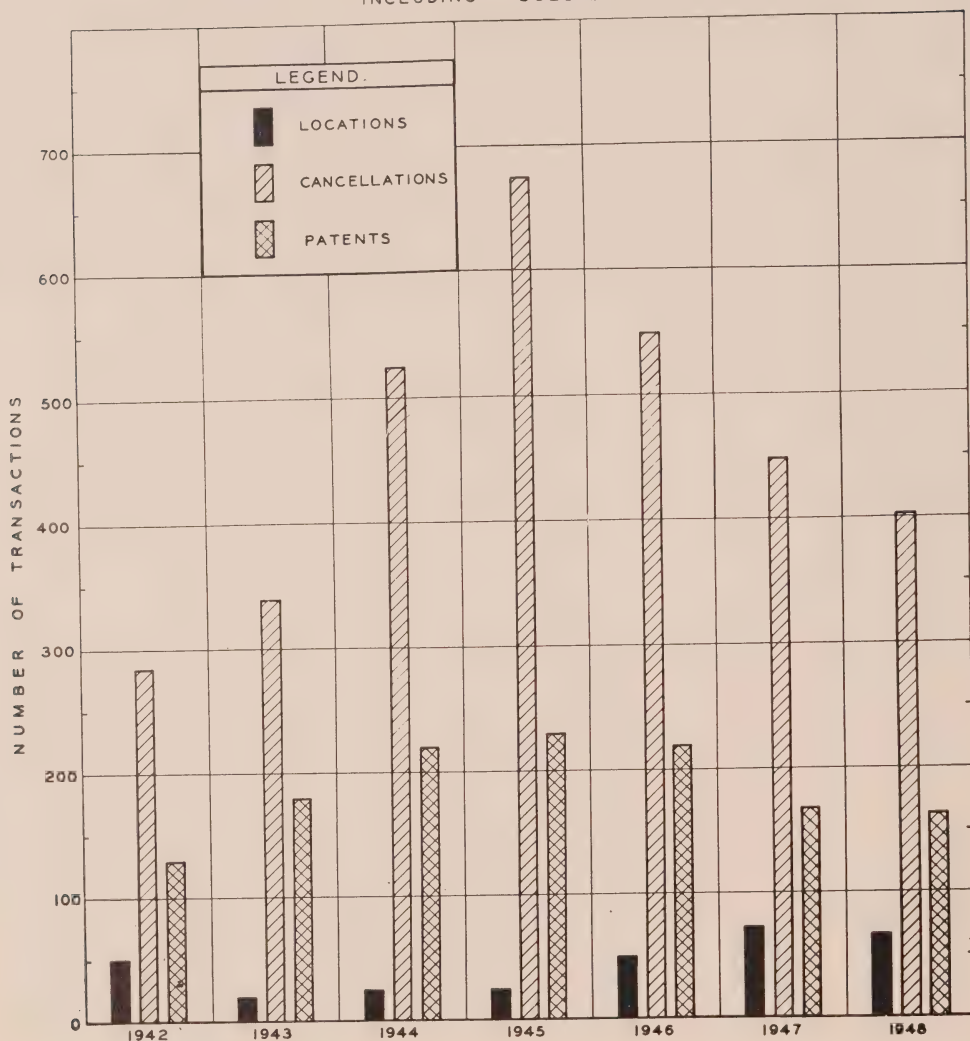
STATEMENT OF PATENTS, ETC.

Issued During the Year Ending March 31, 1948

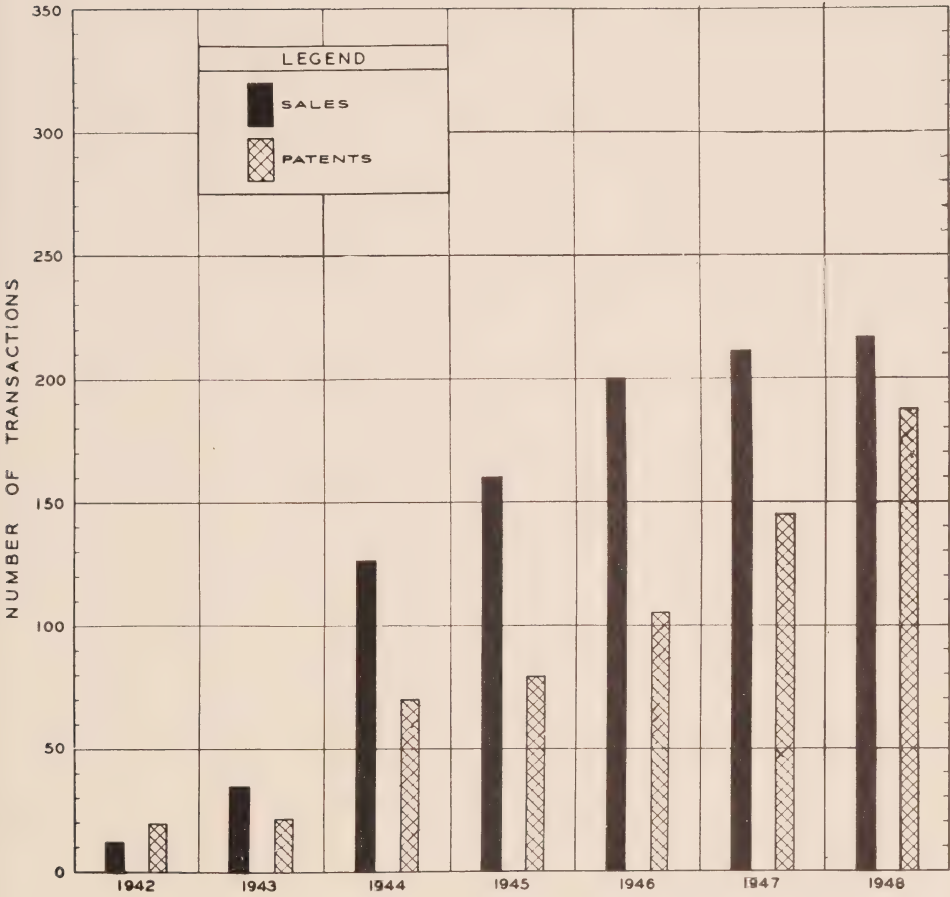
Public Land Patents.....	745	
Free Grant Patents.....	164	
Patents and Transfers (Town Lots).....	153	
Miscellaneous Documents.....	188	
Releases of Pine.....	137	
		1387
Crown Leases.....	9	
Algonquin Park Leases.....	40	
Bruce Beach Leases.....	4	
Bruce Beach Renewals.....	6	
Rondeau Park Leases.....	48	
Timagami Leases.....	2	
Water Power Leases.....	0	
		109
Licences of Occupation.....	93	
Licences of Occupation (Rondeau).....	1	
Licences of Occupation (Algonquin).....	4	
Licences of Occupation (Timagami).....	10	
		108
Licences of Occupation Cancelled.....	138	
Crown Leases Cancelled.....	26	

AGRICULTURAL LANDS IN SALE TOWNSHIPS

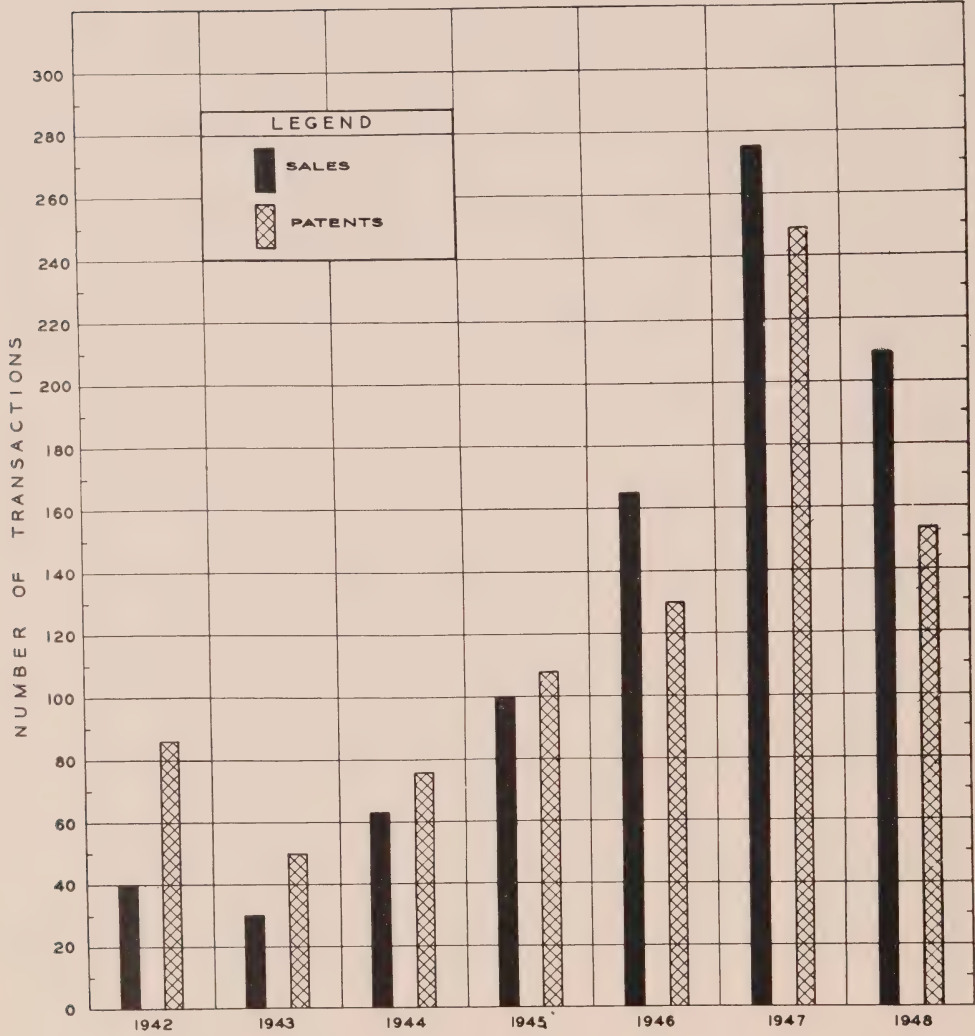


AGRICULTURAL LANDS IN FREE GRANT TOWNSHIPS
INCLUDING SOLDIERS

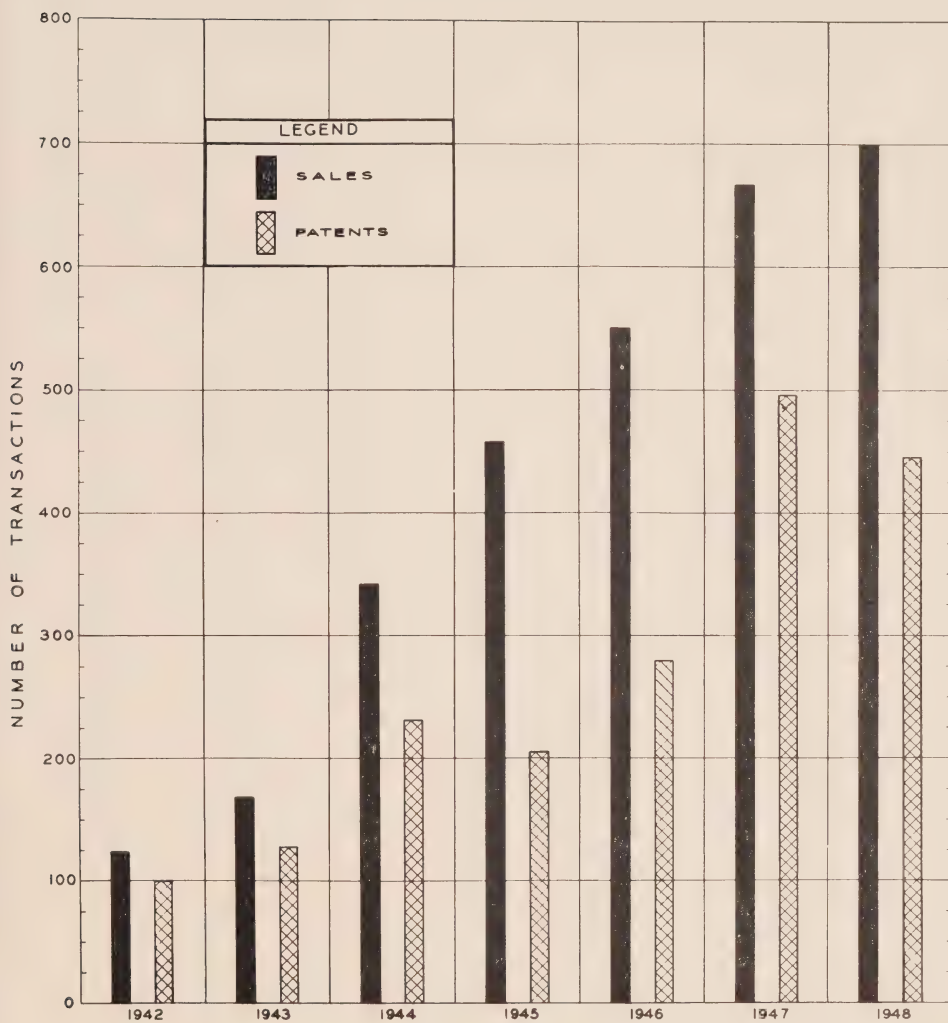
LANDS FOR SPECIAL USE



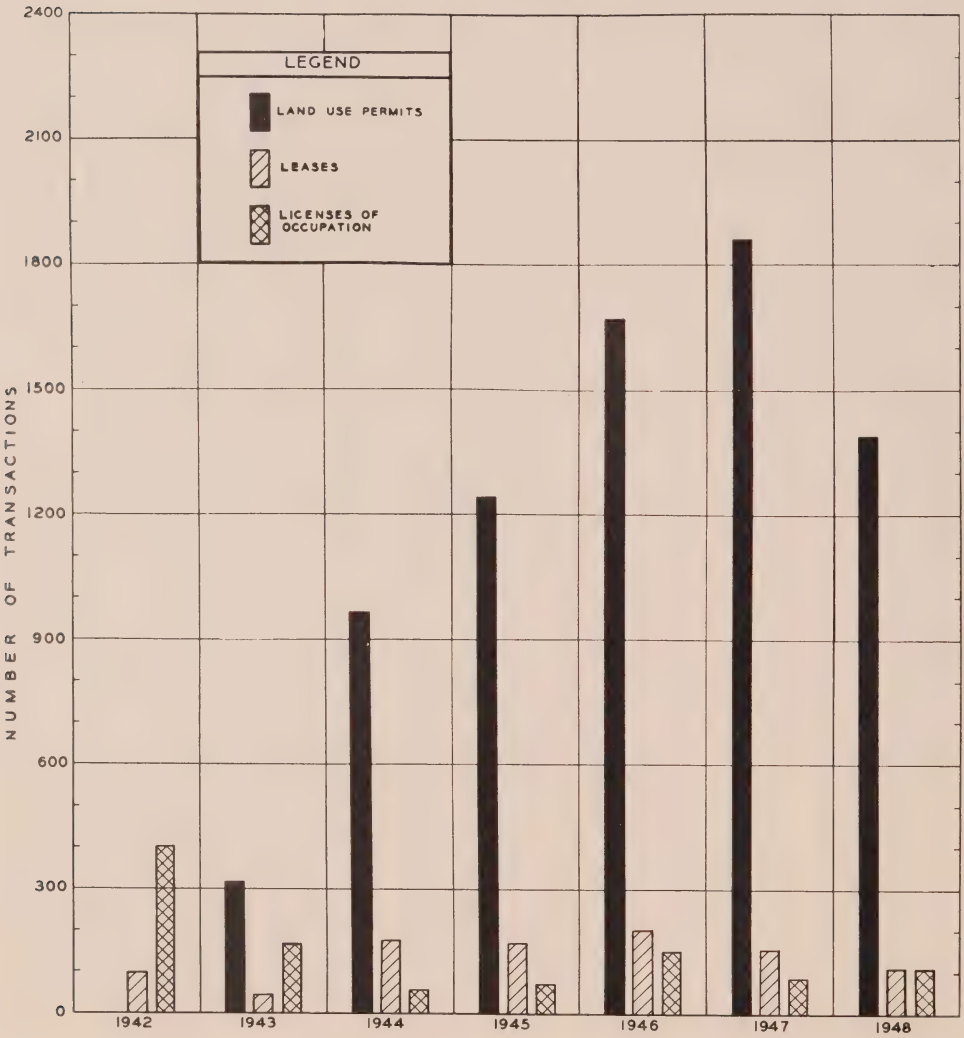
CITY, TOWN AND TOWNSITE LANDS



SUMMER RESORT LANDS



LAND USE PERMITS, LEASES, AND LICENSES OF OCCUPATION ISSUED



DIVISION OF LAW

The following is the report of the activities of this Division for the period from April 1, 1947, to March 31, 1948. The primary duties of the Division are as indicated in the Administrative Chart.

Amendments were made to seven Acts covering the administration of the Department, as follows:

The Forest Fires Prevention Act was rewritten and amended in certain respects, and is now so arranged that the various sections relate in themselves to kindred matters.

The Crown Timber Act was amended principally with respect to the manufacturing conditions and to provide for regulations to be made by the Lieutenant-Governor in Council concerning wasteful practices in cutting operations.

There was an amendment to the Forestry Act to allow for creation by the Lieutenant-Governor in Council of a Committee to be known as the "Advisory Committee to the Minister of Lands and Forests."

Several amendments were made to the Game and Fisheries Act, with a view to strengthening the provisions respecting conservation of game and fish resources.

An amendment to the Public Lands Act allows the Lieutenant-Governor in Council to make regulations to provide for free grants of public land up to 160 acres to former members of the forces.

There were minor amendments to the Lakes and Rivers Improvement Act and the Surveys Act.

Approximately 2,300 informations were laid for infractions of the Game and Fisheries Act, the Forest Fires Prevention Act and the Criminal Code. The great majority of these concern offences respecting the Game and Fisheries Act, and the ratio of convictions to acquittals was approximately 99 to 1.

Various field trips were made by the Chief of the Division during the year, and meetings with the enforcement officers in the Cochrane and Quinte Districts were held. Round-table discussions resulted in benefit to the enforcement officers and also brought to the attention of the Law Division practical difficulties encountered by the field men in enforcement matters. Valuable suggestions respecting amendments resulted, and it is anticipated that this type of discussion will be continued until all the Districts have been covered.

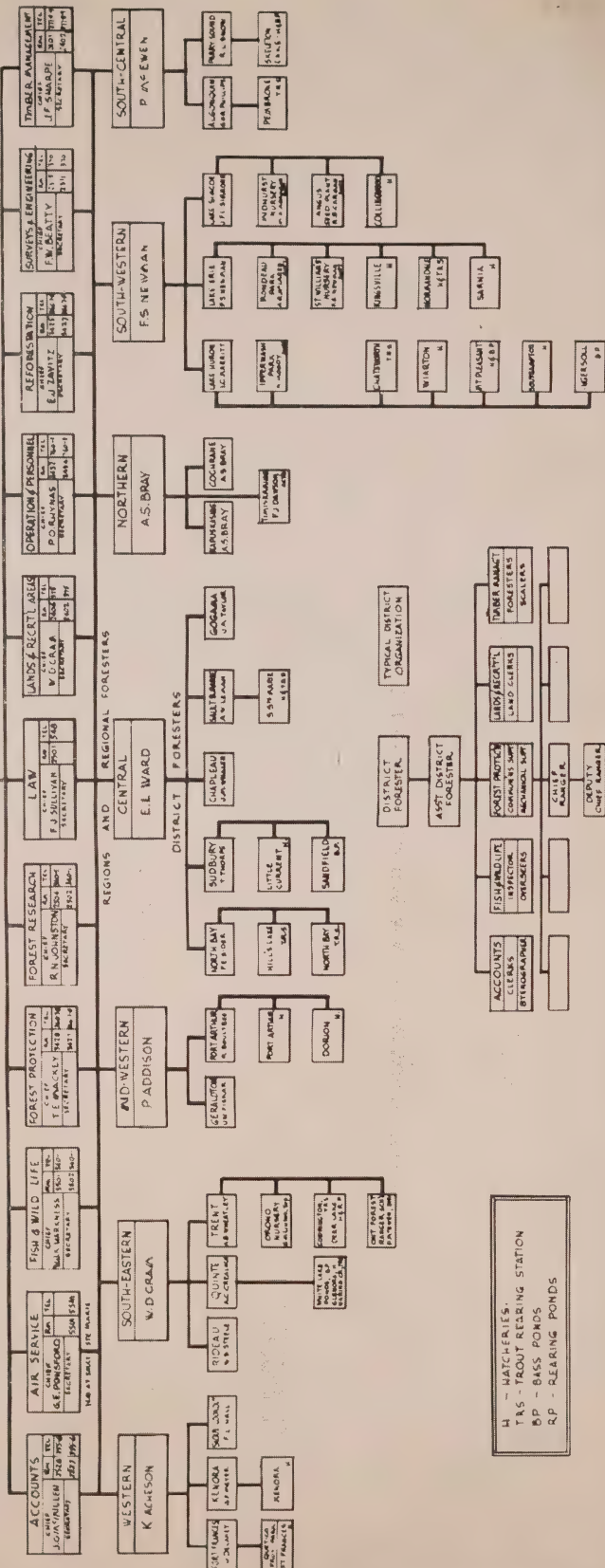
Classes dealing with the statutes, regulations and enforcement matters were held at the Ranger School.

11.10.15 MONDAY 10 NOV

DEPUTY MINISTER	Age	76
F.A. MAC DOUGALL	2309	347-3
SECRETARY	2311	342-3

PERSONNEL OF DEPARTMENT		Present	Temporary	Total
INSIDE STAFF		127	195	322
OUTSIDE STAFF		626	196	822
TOTALS		753	391	1144

NOTE
Unless otherwise
noted all telephone
numbers are local
on Adelaide 1711

[illegible]

H - HATCHERIES.
 TRS - TROUT REARING STATION
 BP - BASS PONDS
 RP - REARING PONDS

DIVISION OF OPERATION AND PERSONNEL

GENERAL

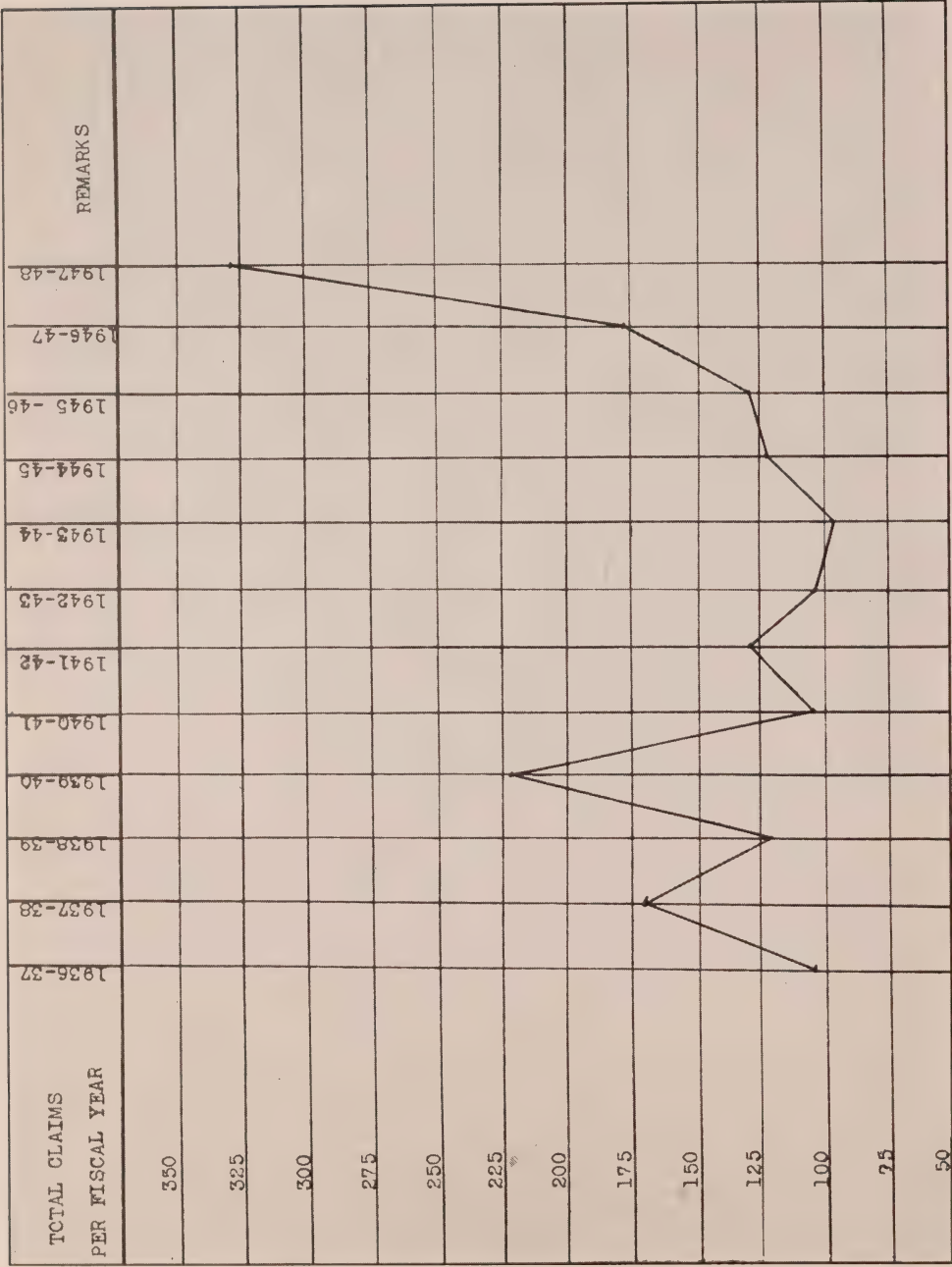
*Head Office Organization**Minister*—HON. H. R. SCOTT*Deputy Minister*—F. A. MACDOUGALL

<i>Division</i>	<i>Chief</i>
Accounts.....	J. G. McMillen
Air Service.....	G. E. Ponsford
Fish and Wildlife.....	W. J. K. Harkness
Forest Protection.....	T. E. Mackey
Land and Recreational Areas.....	W. D. Cram
Law.....	F. J. Sullivan
Operation and Personnel.....	P. O. Rhynas
Reforestation.....	E. J. Zavitz
Research.....	R. N. Johnston
Surveys and Engineering.....	F. W. Beatty
Timber Management.....	J. F. Sharpe

FIELD ORGANIZATION

<i>Region</i>	<i>Regional Forester</i>	<i>District</i>	<i>District Forester</i>	<i>District Headquarters</i>
South	F. S. Newman,	Lake Erie.....	F. S. Newman....	St. Williams
Western...	St. Williams...	Lake Huron.....	I. C. Marritt....	Galt
		Lake Simcoe.....	J. F. L. Simmons..	Maple
South	W. D. Cram,	Quinte.....	A. Crealock.....	Tweed
Eastern...	Toronto.....	Rideau.....	W. E. Steele.....	Kemptville
		Trent.....	A. B. Wheatley...	Lindsay
South	P. McEwen,	Algonquin.....	G. H. R. Phillips..	Algonquin Park
Central...	Ranger School	Parry Sound....	R. L. Snow.....	Parry Sound
Central...	E. L. Ward,	North Bay.....	F. E. Sider.....	North Bay
	North Bay....	Chapleau.....	J. M. Whalen....	Chapleau
		Gogama.....	J. M. Taylor.....	Gogama
		Sault Ste. Marie..	A. W. Leman....	Sault Ste. Marie
		Sudbury.....	T. Thorpe.....	Sudbury
Northern	A. S. Bray,	Kapuskasing....	A. S. Bray.....	Kapuskasing
	Kapuskasing...	Cochrane.....	A. S. Bray.....	Cochrane
		Timiskaming...	F. J. Dawson....	Swastika
Mid-	P. Addison,	Port Arthur....	R. Boulton....	Port Arthur
Western...	Port Arthur...	Geraldton.....	U. W. Fiskar....	Geraldton
Western...	K. Acheson,	Sioux Lookout...	F. L. Hall.....	Sioux Lookout
	Kenora.....	Kenora.....	G. F. Meyer.....	Kenora
		Fort Frances....	G. Delahey.....	Fort Frances

The complete organization is covered by the chart which follows.



GRAPH OF TREND IN WORKMEN'S COMPENSATION CLAIMS PREPARED FROM TOTAL CLAIMS FOR PAST TWELVE YEARS 1936-37 TO 1947-48

DEPARTMENT OF LANDS AND FORESTS

PROVINCE OF ONTARIO

ADMINISTRATIVE DIVISIONS

1948

Hon. H. R. SCOTT, Minister

F. A. MacDOUGALL, Deputy Minister

ACCOUNTS

J. G. McMillen
Chief

Accounting for all Divisions
Collection of Departmental
revenue

Payment of Departmental
expenditures

Administration of Land Tax
Act

Preparation of—
Budget estimates
Financial reports
Permanent staff payroll
Main Office pay lists
Departmental staff salary
records
Data for Public Accounts
report

Supervision of—
Accountable Warrant
Fields
Field Office trust funds
Items filed in safekeeping
Collected securities
Field Office accounting
Budget for main and field
offices
Clearing of receipts and
disbursements

Inspection of—
Fish and Wildlife Licenses

Maintenance of accounts owing
to Government for—
Timber dues
Ground rent
Pier fees
Land rules
Rents for Lessees
Fees for Licenses of
Occupation
Water pump leases
Provincial Land Tax
Permit operations
Amovable salaries
Fish and Wildlife Licenses

AIR SERVICE

G. E. Ponsford
Chief

Provision of—
Flights to meet all require-
ments of the Department,
and also special require-
ments of other Ontario
Government Departments,
and mercy flights, as
solicited by authorized
offices of the Department

Maintenance of—
Department aircraft, in-
cluding supervision of
maintenance staff

Supply of—
Engines and aircraft spare
parts to assure service-
ability of aircraft at all
times

Supervision of—
Flights on all flying opera-
tions to assure that all
flying requirements are met,
on flying conditions permit.

Approval of—
Sites of all bases

Cooperation with—
Department of Public
Works in the construction
of air service buildings

Credit with—
Department of Transport

FISH AND WILDLIFE

Dr.
W. J. K. Harkness
Chief

Research—
Conventions and laws
Recording and banding
stamps

Wildlife—
Management and propa-
gation
Regulate management
Game reserves and special
hunting areas—open ses-
sions
Far farm licenses—records
Far dealers licenses
Far production records
Seasons

Commercial Fisheries—
Commercial fishing, dealers,
and not dealer licenses
Fish production statistics
Establishment of seasons

Fisheries—
Pollution control inspec-
tion

Fish Diseases and Parasites—
The study, prevention and
control of fish diseases and
parasites

Game and Fish Markets—
Game fish management
Regulation of hatcheries
and game collection
Supervision of young fish
Removal of coarse fish
Establishment of seasons
Season of fishing waters
Biological studies
Surveys and investigations

FOREST PROTECTION

T. E. Mackey
Chief

Fire Protection Planning—
Preparation of legislation
and assembly of data for
consolidation of protection
plans

Fire Prevention—
Insurance Travel, Fire and
Vandal, permits within the
Fire District
Removal of fire hazards
Fire another burning
Public warnings of existing
and impending fire danger

Fire Suppression—
Provision of fire fighting
personnel, equipment, sup-
plies and transportation
Injuries including awards

Improvements—
Construction and main-
tenance of fire fighting
hoses and a pressure-water
radio telephone system of
portable, tower and ground
stations

Buildings to house staff
and provide for office space
and main-
tenance of equipment
Development of lookout
tower detection service
Construction of roads, trails,
portages, docks and camp
sites

Co-operation
Railway fire protection by
arrangement with the Board
of Transport Commissioners
Forest insects and disease
surveys in co-operation with
Federal Department of
Agriculture
Major building projects are
conducted by the Depart-
ment of Public Works as
specified

Agreements with regulated
landowners for fire protection
and suppression arrange-
ments with woods operators,
timber camp operators and
other forest users

LAND AND RECREATIONAL AREAS

W. D. Cram
Chief

Survey, leasing and licensing of
 Crown Lands for—
Farming and allied uses,
summer resorts and all other
purposes excepting for dom-
estic, right-of-way for electric
power and telephone
lines, or for hydroelectric
power developments
License of vesting orders to
Government Departments
Collection of fees

Administration of all Provincial
Parks—
Leasing and licensing of
land for summer resort use,
collection of fees
Directing administration

Land Use Planning—
For summer resort, agricul-
tural and other uses

Land Inspection—
To assure proper use of
land
Eligibility to acquire patent
lands or license

Preparation of—
Land Manuals, pamphlets,
forms, legislation, patents,
plans, licenses of occupation
and land transfers

Maintenance of—
Records of all land disposi-
tions
Examining and checking all
documents issued
Issuance of instructions to
field officers
Interpretation of the Act

LAW

F. J. Sullivan
Chief

Preparation of—
Legislation, regulations,
and orders-in-council and
voting orders
Recommendations to Leg-
islative Council
Special grants, land trans-
fers, deeds, leases, and
various agreements and
other miscellaneous docu-
ments of a legal nature

Legal advice as—
Interpretation and applica-
tion of statutes, regulations
and orders-in-council
Consulting with and advising
Head Office and Field
Staff on all Departmental
matters of a legal nature
Correspondence with and
attendance upon private and
corporate bodies having
various grievances which
are extra-Departmental

Activation of—
Disputes relating to
Appeals to Land Tax Collec-
tors
Conducting Inquiries
Examination and checking
of estates, leases and in-
crease-of-occupation

OPERATION AND PERSONNEL

P. O. Rhynas
Chief

Personnel Management—
Interviewing, selection, ap-
pointment, classification,
and salaries, salary rating
Administrative statistics
Attendance, staff and per-
manent records
Workers' compensation
Maintenance—Managers
Training, Officers-in-Chief

Office Management—
Purchase and distribution of
all equipment and supplies,
and stock control
Inventory, locating and
expediting supplies
Duplicating, letter-press
Distribution of printed matter
Statistics—Space adjust-
ments

Information and Education—
Conferences
General leaflets
Departmental Reports
Public Affairs
Bidding, writing, receiving,
printing, distribution

Public Affairs—
Primarily in forest fire pre-
vention and Fish and Wild-
life Conservation
Lecture tours in schools,
logging camps, residential
communities, on conservation
Bacteriography, slides, motion
pictures for lecture tour
purposes
Articles, press, radio, ex-
hibits, signs and posters re
conservation and fire pre-
vention

School Work—
Cooperation with educa-
tional authorities on text
books, teachers' aids, posters,
radio and essay contests as
required by them

REFORESTATION

E. J. Zavitz
Chief

Administration of—
Provincial Forest Stations
Forest Tree Seed Supply
Seed collection, extraction,
germination and storage
Forest Tree Nurseries
Experimental and Demon-
stration Forest Plantations
Forest Tree Distribution

Reforestation Work Through
Zones—
Maplewood reforestation
Inspection of private wood-
lands and plantations
Forest school districts
Roadside windbreak plant-
ings
Lectures on reforestation to
schools, youth councils,
service clubs, etc.

Reforestation Work Through
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service clubs, etc.

RESEARCH

R. N. Johnston
Chief

Research in—
Forest Management: Re-
generation, Cutting Prac-
tices, Growth Studies, Val-
uation Tables, Yield, Grains
Forest Protection: Fire,
Insects, Diseases, Smelter
Forest Investigation
Fish and Wildlife Inventory
Management, Game
Stream Pollution, South Bay
Experiment

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service clubs, etc.

SURVEYS AND ENGINEERING

F. W. Beatty
Chief

Ground Station Administration
of—
Water Powers and stream
measures
Scientific and official Geo-
graphic surveys
Matters relating to Provin-
cial Boundaries

Planning, Instructions and
Inspection of—
Provincial Boundaries, Re-
survey and Municipal
Surveys, and all surveys of
Crown Lands

Estimation and Checking of—
Plans, descriptions and re-
ports of all types of surveys
of Crown Lands, Dams and
other structures as required
by the Lakes and Rivers
Improvement Act

Preparation of—
Maps issued by the Depart-
ment
Plans of Crown Land Sur-
veys

Cooperation with—
University of Toronto, Na-
tional Research Council,
Science Service, Defence
Research Institute Research
Foundation, etc.

Operation of—
Southern Research Station

Publication and
Distribution of—
Provincial Township
and Municipal Maps
Conservation and Reuse of—
Original survey plans and
plans, selected Geographic
maps

Supplying of—
Photostatic copies of maps
and survey reports and
other data to Government
Departments, and the public

Air Survey Station—
Photography required for
Forestry, Highway and
Forest purposes
Preparing forms and prepara-
tions of maps of areas re-
quired
Supplying of maps of areas
photographed to various
Departments and the public

TIMBER MANAGEMENT

J. F. Sharpe
Chief

Timber Sales and Licenses—
Application, Sales, Tenders,
Licenses and records
Timber, additions, exten-
sions, amendments
Statistics, Map records

Timber Returns—
Preparation timber dues ac-
counts
Statistics, records of cut

Prepared Contracts—
Analysis of contracts
Records of wood exported

Mill Licensing—
Sale mill, sale and paper
and other mill licenses
Records of mill production

Valuing
Grants and examinations
Registration of sales

Survey and Inventory—
Assessment of land
Measurement of harvest
Measurement of harvest

Management Plans—
Master and annual plans
recorded under authority
and also

Supervision of Woods
Operations—
Inspection and supervision
Logging methods-technique
Costs, compliance-analysis
Logging operations
Licenses between government
and industry

ADMINISTRATIVE DIVISIONS



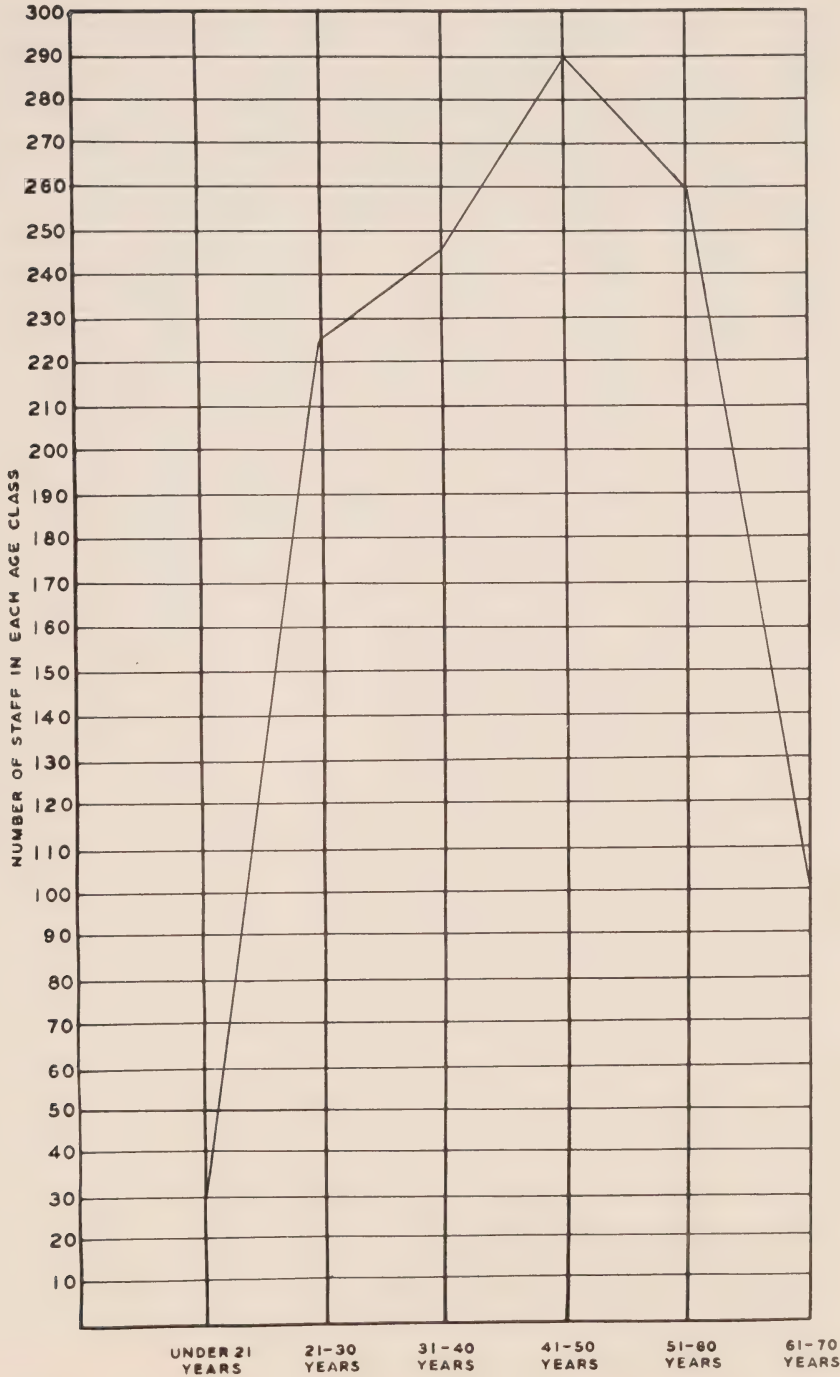
PROVINCE OF ONTARIO

Department of Lands and Forests

Hon. H. R. Scott
Minister

F. A. MacDougall
Deputy Minister

CHART OF AGE CLASSES



Selection and Placement

As of December 1st, 1947, Mr. K. Acheson, Regional Forester of the Western Region, moved his headquarters from Sioux Lookout to Kenora. By Circular M-17, issued January 9th, 1948, E. L. Ward, Regional Forester of the Northern Region, was transferred to North Bay as Regional Forester of the Central Region, and A. S. Bray, District Forester of the Cochrane District, was transferred to Kapuskasing as Regional Forester of the Northern Region as well as District Forester of Cochrane and Kapuskasing Districts.

As of March 1st, 1948, J. M. Whalen was appointed District Forester at Chapleau, and F. J. Dawson was appointed District Forester for the new District of Timiskaming.

INFORMATION AND EDUCATION

Public interest in the conservation of natural resources is increasing constantly, as indicated by the number of enquiries by letter, telephone and personal calls.

The Information and Education office concentrated again in the past year in appeals for greater care on the part of the public in the prevention of forest fires and observance of fish and game laws.

Publications

Ten new booklets were published during the year, and ten others were reprinted with revisions. Six issues of the magazine *Sylva*, The Lands and Forests Review, were issued bi-monthly, as compared with quarterly in the previous year.

Lecture Tours

Lecture tours were again successful in furthering the interests of conservation to the public.

One picture, "Timagami Ranger", produced in the previous year, was made available for public showing.

Pictures available from outside sources on the subject of fish and wildlife are lacking in any real appeal for conservation.

The following table gives the record of lecture tours during the past year. It will be noted that our pictures were shown to approximately (159,975), nearly twice as many people as in the previous year (83,471).



ACTIVITY IN THE STOCKROOM AT HEAD OFFICE

EXHIBITS

EXHIBITIONS	SPONSOR	PLACE	DATES	AREA	TYPE
Canadian National Exhibition.....	Canadian National Exhibition Assoc.....	Toronto.....	Aug. 22-Sept. 6/47	31,692 sq. ft.	Fire Prevention, Fish & Wildlife Consv., Lands, Timber Management, Reforestation.
Central Canada Exhibition.....	Central Canada Exhibition Assoc.	Ottawa.....	Aug. 18-25, 1947	2,374 sq. ft.	Fish & Wildlife Consv., Fire Prevention, Reforestation.
International Plowing Match.....	Ontario Plowmen's Association.	Kingston.....	Oct. 14-18, 1947	40' x 60'	Reforestation, Fire Prevention, Fish & Wildlife Consv.
Royal Winter Fair.....	Royal Agricultural Winter Fair Assoc.....	Toronto.....	Nov. 18-26, 1947	80' frontage	Reforestation, Fire Prevention, Fish & Wildlife Consv.
Canadian National Sportsmen's Show.....	Toronto Anglers' & Hunters Assoc.....	Toronto.....	Mar. 13-20, 1948	105' x 30'	Fish & Wildlife Consv., Fire Prevention.
National Sportsmen's Show.....	Central Canada Exhibition Assoc.....	Ottawa.....	Apr. 21-26, 1947	57' x 14'	Reforestation, Fire Prevention, Fish & Wildlife Consv.
Middlesex County Sportsmen's Assoc.....	Middlesex County Sportsmen's Assoc.....	London.....	Mar. 17-22	70' x 20'	Fish & Wildlife Consv., Reforestation, Fire Prevention.
Northern Ontario Outfitters' Assoc.	Northern Ontario Outfitters' Assoc.....	Sault Ste. Marie.	Jan. 26-28, 1948	32' x 8'	Fire Prevention, Fish & Wildlife.
Norfolk County Fair.....	.....	Simcoe.....	Oct. 6-9, 1947	.....	Reforestation.
Woodstock Fall Fair.....	.....	Woodstock.....	Oct. 2-4, 1947	.....	Reforestation.
Owen Sound Fair.....	Owen Sound Agricultural Assoc.....	Owen Sound.....	Sept. 27-30, 1947	.....	Fish & Wildlife.
Brant Kennel Club.....	Brant Kennel Club.....	Brantford.....	Nov. 15, 1947	1,000 sq. ft.	.....
Handicraft Exhibit, Y.M.C.A. Men's Club.....	.....	Orillia.....	.....	.....	Fish & Wildlife.

REGION	DISTRICT	SCHOOL MEETINGS		PUBLIC MEETINGS		TOTALS	
		No.	Attendance	No.	Attendance	No.	Attendance
Western	Kenora.....	34	2,055	42	1,821	76	3,876
	Fort Frances.....	30	1,639	2	119	32	1,758
	Sioux Lookout.....	...	.....	14	1,325	14	1,325
Mid-Western	Port Arthur.....	196	25,071	84	6,524	280	31,595
	Geraldton.....	18	2,933	27	3,520	45	6,453
Central	Sault Ste. Marie.....	31	1,623	14	1,007	45	2,630
	Sudbury.....	...	.....	24	1,779	24	1,779
	Chapleau.....	8	768	10	567	18	1,335
	Gogama.....	10	612	3	317	13	929
	North Bay.....	133	13,291	31	1,919	164	15,210
Northern	Kapuskasing.....	8	1,340	31	2,140	39	3,480
	Cochrane.....	7	6,557	52	2,123	59	8,680
South Central	Parry Sound.....	130	8,606	53	1,913	183	10,519
	Algonquin Park.....	35	4,482	11	1,105	46	5,587
South Eastern	Rideau.....	21	4,114	30	3,401	51	7,515
	Quinte.....	15	4,598	28	1,115	43	5,713
	Trent.....	13	5,320	40	3,211	53	8,531
South Western	Lake Simcoe.....	12	5,365	98	9,570	110	14,935
	Lake Huron.....	65	10,456	98	9,411	163	19,867
	Lake Erie.....	14	2,530	60	5,728	74	8,258
	TOTALS.....	780	101,360	752	58,615	1,532	159,975

Exhibits

Exhibit work during the past year more than quadrupled over the previous year due to the inclusion of the Canadian National Exhibition, Toronto, and the Central Canada Exhibition, Ottawa. (See table).

School Work

Our lecturers gave addresses and showed motion pictures during the year to most of the schools of Northern Ontario. (See table above).



BLOWSAND BEING HELD BY PINE SEEDLINGS ASSURES A FUTURE FOR THIS OTHERWISE UNPROTECTED AREA

DIVISION OF REFORESTATION

Distribution of Trees

The year under review was similar to the previous six years in that tree production was still relatively low as a result of curtailment of nursery work during the war. Total distribution of trees was 12,269,533, of which approximately 7,000,000 were distributed to private landowners, 3,150,000 trees were planted on municipal and authority forests, 250,000 on roadside planting, about 20,000 on school demonstration plots, and just under 1,275,000 on various classes of Crown land. The remaining 400,000 were classed as semi-public and extraneous. A cross-section study of private plantations indicates the need for more intensive work on the choice of species to plant, and the methods of planting on heavy and wet lands. Studies along these lines are being carried out.

Municipal Reforestation

A start has been made during the past two years to make thinnings in municipal plantations. Many of these are now approaching twenty-five years of age and require thinning out in order to achieve a better development of the stand. Several hundred cords of pit-props have been removed and sold to the British Government. Some pulpwood has been sold from these plantations and it is expected that the thinnings for this market will increase rapidly.

Studies are being conducted into the methods of thinning plantations to achieve the best possible economy, and at the same time allow for the best development of the stand.

This year saw the continued development of mechanical tree planters, which are overcoming the shortage of seasonal labour normally used for this purpose. These machines have proved of considerable value in the planting of large open fields, where they can put in an average of approximately 10,000 trees per day. They are also effective in reducing the cost of planting very considerably.

Several counties made land purchases, increasing the area of land under the Municipal Reforestation Act. The increases were roughly as follows: Prescott and Russell Counties approximately 1,000 acres; Durham and Northumberland Counties, 282 acres; Victoria County, 701 acres; York County, 354 acres; Simcoe County, 696 acres; Grey County, 750 acres; Bruce County, 2,469 acres.

The Ganaraska Authority acquired a further 1,328 acres, increasing the size of Ganaraska Forest to 1,968 acres.

Provincial Forest Stations

Development work continued on the two new nurseries at Port Arthur and Kemptville. These nurseries will have small quantities of trees ready for shipping in the spring of 1949. Additional areas have been added at St. Williams and Orono nurseries, and development of these properties continues.

New machinery is rapidly being developed for the greater mechanization of nurseries. Amongst the first new types to be put into operation are the mechanical transplanters, which are now in use at Midhurst and Orono.

The following tables furnish details of nursery tree distribution.

TABLE No. 1
SUMMARY OF TREES DISTRIBUTED
(July 1, 1946 to June 30, 1947)

	Total Shipments	Conifers	Hardwoods	Total Trees
PRIVATE LANDS:				
Reforestation and Windbreaks.....	4,782	5,897,379	997,873	6,895,252
School Children.....	78	58,284	45,347	103,631
SEMI-PUBLIC PROPERTIES.....	75	98,149	34,416	132,565
MUNICIPAL PROPERTIES:				
Municipal Forests.....	50	2,448,675	201,351	2,650,026
Forest Plantations.....	47	365,150	88,000	453,150
Roads.....	16	234,400	18,600	253,000
School Demonstration Plots.....	25	15,805	3,380	19,185
Sundry.....	11	8,605	4,960	13,565
PROVINCIAL CROWN LANDS:				
Northern Plantations.....	1	379,000	.....	379,000
Forests.....	.....	.....	.....	.....
Ranger Plantations.....	5	40,900	75	40,975
Air Services.....	.....	.....	.....	.....
Nurseries.....	7	195,200	9,100	204,300
Parks.....	3	9,150	1,850	11,000
Highways.....	2	12,000	22,750	34,750
Hydro Electric Power Commission....	1	19,000	5,200	24,200
Hospitals.....	3	6,200	3,060	9,260
Penal Institutions.....	3	94,950	4,200	99,150
Sundry.....	9	381,315	89,885	471,200
DOMINION CROWN LANDS.....	13	211,456	58,055	269,511
EXTRANEOUS.....	37	151,325	54,488	205,813
TOTALS.....	5,168	10,626,943	1,642,590	12,269,533

TABLE NO. 2

PRIVATE PLANTING

(July 1, 1946 to June 30, 1947)

	Conifers	Hardwoods	Totals
Algoma.....	40,425	820	41,245
Brant.....	97,564	23,970	121,534
Bruce.....	85,275	27,181	112,456
Carleton.....	29,800	8,991	38,791
Cochrane.....	400	.....	400
Dufferin.....	49,142	14,001	63,143
Dundas.....	11,850	11,010	22,860
Durham.....	533,475	46,330	579,805
Elgin.....	170,553	42,504	213,057
Essex.....	64,931	16,600	81,531
Frontenac.....	41,797	4,480	46,277
Glengarry.....	22,425	6,850	29,275
Grenville.....	26,585	4,760	31,345
Grey.....	184,575	63,733	248,308
Haldimand.....	69,675	54,762	124,437
Haliburton.....	63,768	2,631	66,399
Halton.....	60,687	9,325	70,012
Hastings.....	94,780	7,738	102,518
Huron.....	96,350	27,885	124,235
Kenora.....	5,820	.....	5,820
Kent.....	84,195	8,727	92,922
Lambton.....	95,560	7,837	103,397
Lanark.....	37,850	1,825	39,675
Leeds.....	42,375	9,705	52,080
Lennox and Addington.....	24,175	2,060	26,235
Lincoln.....	27,980	4,905	32,885
Manitoulin.....	8,850	1,050	9,900
Middlesex.....	180,015	37,210	217,225
Muskoka.....	246,392	20,569	266,961
Nipissing.....	6,449	310	6,759
Norfolk.....	371,152	47,676	418,828
Northumberland.....	79,600	9,810	89,410
Ontario.....	280,607	25,134	305,741
Oxford.....	76,771	36,928	113,699
Parry Sound.....	227,415	8,375	235,790
Patricia.....	.....	.....	.....
Peel.....	241,828	40,582	282,410
Perth.....	46,193	23,993	70,186
Peterborough.....	170,920	13,003	183,923
Prescott.....	23,975	7,991	31,966
Prince Edward.....	17,736	28,902	46,638
Rainy River.....	2,935	1,537	4,472
Renfrew.....	38,525	545	39,070
Russell.....	9,420	855	10,275
Simcoe.....	762,649	70,885	833,534
Stormont.....	15,505	2,135	17,640
Sudbury.....	1,600	2,875	4,475
Thunder Bay.....	1,625	50	1,675
Timiskaming.....	4,940	2,360	7,300
Victoria.....	28,975	3,632	32,607
Waterloo.....	101,732	30,983	132,715
Welland.....	83,741	27,577	111,318
Wellington.....	56,075	19,268	75,343
Wentworth.....	181,275	20,692	201,967
York.....	568,467	104,316	672,783
TOTALS.....	5,897,379	997,873	6,895,252

TABLE No. 3
NUMBER OF TREES DISTRIBUTED EACH YEAR—1938-1947

	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947
Conifers.....	9,984,368	13,963,646	13,831,098	10,946,196	9,480,743	8,434,371	9,232,205	9,649,424	11,532,856	10,626,943
Hardwoods.....	1,740,752	2,487,607	2,907,437	2,327,438	1,621,904	1,896,198	1,767,174	1,631,557	1,642,719	1,642,590
Cuttings.....	527,415	470,653	528,162	237,665	200,540	192,348	.....	.....	.....	.....
TOTALS.....	12,252,535	16,921,906	17,266,697	13,511,299	11,303,187	10,522,917	10,999,379	11,280,981	13,175,575	12,269,533

DIVISION OF RESEARCH

The Division now has the following staff:

PERMANENT

- 4 Foresters
- 2 Biologists
- 2 Soil Specialists
- 1 Forester-Geneticist
- 1 Office Manager
- 3 Stenographers
- 1 Building Superintendent
- 2 Draughtsmen
- 1 Technician
- 2 Mechanics
- 3 Laborers

CONTINUOUS TEMPORARY

- 2 Chemists
- 1 Vari-Typer Operator
- 1 Librarian
- 1 Draughtsman

CASUAL AND STUDENTS

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The Division's programme during the year came under the following headings:

- (1) Regeneration Surveys, Seed Studies, Tree Breeding, Aerial Seeding, Slash Burning, etc.
- (2) Growth and Yield Studies.
- (3) Soil Surveys.
- (4) Fisheries Investigations.
- (5) Wildlife Studies.
- (6) Valuation of Effect of Smelter Fumes on Forest Growth.
- (7) Building and Mechanical-Electrical Developments.

1.—*Regeneration Surveys and Other Forestry Work*

Surveys of this type were carried out in the Kenora and Thunder Bay Regions and Lake Abitibi Area during 1947. Work in the Thunder Bay-Kenora Regions, principally concerned with jack pine and white spruce, was under the general direction of A. P. Leslie and field direction of H. C. Larsson and N. F. Lyon.



MR. A. P. LESLIE OF THE DIVISION OF RESEARCH LOADING APPARATUS USED IN
AIRCRAFT FOR PLANTING SEED BY AIR

A similar study under the general direction of A. P. Leslie and field direction of D. H. Burton was made in the clay belt area adjacent to Lake Abitibi.

An opportunity was presented here to re-examine some 43 plots established during 1925 following various types of logging. The report of the survey has been completed and issued as Report No. 16.

A study of Red pine seeding habits under Dr. George Duff was continued this year.

Tree breeding under Dr. C. C. Heimburger is concerned with the production of a rapid-growing hybrid aspen of good color and pulping qualities and resistant to disease.

During the year, over one thousand acres of burned forest land in Sault Ste. Marie and the Tweed and Parry Sound districts were seeded from the air, under the direction of A. P. Leslie, using seed coated with fertilizers, rodent repellents, fungicides, etc. This was a follow-up of work started in 1946.

Slash on about 400 acres of cut-over land on Shiningwood Bay, Lake Timagami, was piled and burned, and broadcast burned after October 1, 1947. Prices of \$1.00 per thousand for broadcast burning and \$6.00 per thousand for complete cleaning of an area carrying a stand of 15 thousand per acre were established.

2.—*Growth and Yield Studies*

This survey was under the direction of M. A. Ardenne and has provided an assessment of growth conditions on white and red pine in the Ottawa Valley.

3.—*Soil Surveys*

The soil surveys, directed by Mr. G. A. Hills, aiming at a preliminary classification and separation of agricultural and forest lands started during 1944, were continued by the Division.

4.—*Fisheries Investigations*

Fisheries studies under Dr. F. E. J. Fry of the University of Toronto were expanded in 1947 by the initiation of the South Bay experiment. This project has been organized in co-operation with the Federation of Commercial Fishermen. The anticipated duration of the test will approximate five to ten years. Field laboratories and working space are practically completed at South Bay Mouth.

The other fisheries projects can only be listed here with brief comments on each.

ALGONQUIN PARK

Studies of plankton in Algonquin Park in artificially fertilized and unfertilized lakes.

Studies of water temperature and chemical content of water in relation to fish.

Creel census.

THUNDER BAY AND FORT FRANCES AREA

Netting of coarse fish from certain lakes in Sibley Peninsula to ascertain effect on game fish population. Introduction of bass and other game fish to suitable lakes in the same area.

Creel census to determine catch of various species.

5.—*Wildlife Studies*

This project under Mr. David Fowle was mainly carried on in Algonquin Park. The principal aim was to devise a satisfactory method of assessing small mammal, particularly rodent populations, and determining their effect on and response to the forest environment.

6.—*Valuation of Effect of Smelter Fumes on Forest Growth.*

This is a continuation of the survey started in 1944 to determine the extent and degree of the forest damage caused by smelter fumes. Sampling by airplane in the air and on the surface of lakes was continued and new automatic recorders were set up.

7 — *Building and Mechanical Electrical Development*

During the year, a fisheries research building, incorporating the unique "artificial lake", was almost completed and a well giving 200 Imperial gallons per minute to supply water for this project was completed. This artificial lake, which is a cylindrical enclosed tank, will have provision made for refrigeration or warming, or addition of oxygen and other gases so that the effect of any of these factors on fish may be studied. The results when applied to fish planting and other practical projects should be valuable.

The mechanical section produced an infra-red cone dryer for tree seed production.

The section also manufactured an aerial seeder for use in reforesting burned areas from the air and a machine for applying coatings, containing fertilizers, fungicides, rodent repellents, etc., to the seed to increase chances of survival.

A power pruner for county forests was also made to order for the Division of Reforestation.

DIVISION OF SURVEYS AND ENGINEERING

The Ontario-Manitoba Boundary Commissioners continued the survey of the trial line of the most northerly portion of this boundary.

Baselines were surveyed in the Districts of Thunder Bay and Cochrane to furnish control for areas being mapped, in connection with the Forest Inventory Project. The work in the Cochrane District was carried out during the winter.

The following aerial and ground surveys were undertaken during the fiscal year ending March 31, 1948.

GROUND SURVEYS SECTION

Survey instructions were issued for the following surveys:—

Crown Surveys

1. Survey of Summer Resort Locations fronting on South Tea Lake and Source Lake in Townships of Peck and Canisbay.
2. Contour survey at the Provincial Government Ranger School in the Township of Ridout.
3. Retrace certain boundaries in the Township of Hindon.
4. Retracement survey of the boundaries of the Township of Garrison. (Survey costs borne by the Department of Mines.)
5. Survey to subdivide a portion of the west half of Lot 15, Concession 3, Township of Wicksteed, for townsite purposes.
6. Retracement survey in the north half of the Township of Skead. (Survey costs borne by the Department of Mines.)
7. Traverse of Long Lake, District of Thunder Bay, to provide ground control for mapping by aerial photography in connection with the Forest Inventory Programme.
8. Continuation of survey of the baseline in the District of Cochrane, easterly from the 29-mile post established the previous year, to provide ground control for mapping by aerial photography in connection with the Forest Inventory Programme.
9. Retracement survey of the south boundary of Sibley Park in the District of Thunder Bay.
10. Survey of a baseline easterly from the southeast corner of the Nipigon Forest Reserve, District of Thunder Bay to provide ground control for aerial mapping in connection with the Forest Inventory Programme.
11. Retracement survey of the line between Concessions 1 and 2, in the Township of Wilkie.
12. Control traverse of section of Lake Talon, District of Nipissing.
13. Preliminary survey of the proposed townsite at the crossing of the Red Lake Highway and the Canadian National Railways, District of Kenora.



TYPICAL VIEW OF A BASE LINE SURVEY SHOWING THE MANNER IN WHICH LINES ARE WIDENED OUT SO THAT THEY MAY BE EASILY PICKED UP FROM THE AIR



TRANSIT MAN SIGNALS PICKET MAN FOR CENTRE LINE.

14. Survey traverse from "Gravel" Triangulation Station to Townships 88 or 87 and retracing of township boundary northerly to the intersection with the transmission line of the Hydro-Electric Power Commission of Ontario, for ground control purposes in connection with the Forest Inventory Programme.
15. Subdivision of Block Z, Townplot of Hearst, formerly the Demonstration Farm, for townsite purposes.
16. Survey of part of a gravel pit and former Licence of Occupation in the Township of Strathy.
17. Ground Control traverse in the Cobalt area for proposed aerial photography and geological survey by the Department of Mines. (Survey costs to be borne by the Department of Mines.)
18. Preliminary survey of extension of Gogama Townsite, in the Townships of Jack and Noble.
19. Survey of part of the trial line for the northern portion of the boundary between the Provinces of Ontario and Manitoba.

Private Surveys on Crown Lands

Under authority of Section 37 of the Public Lands Regulations, 692 summer resort locations were surveyed and the returns of survey filed in the Department for examination and approval. Three hundred and fifty-eight surveys of this number were surveyed under direct departmental instructions to the surveyor where the applicant paid in the survey fee as specified in Section 37 of the Public Lands Regulations and amendments thereto. This is an increase of three hundred surveys over the fiscal year ending March 31, 1947.

Under the provisions of the Mining Act, 798 mining claims were surveyed and the returns of survey filed in the Department for examination and approval.

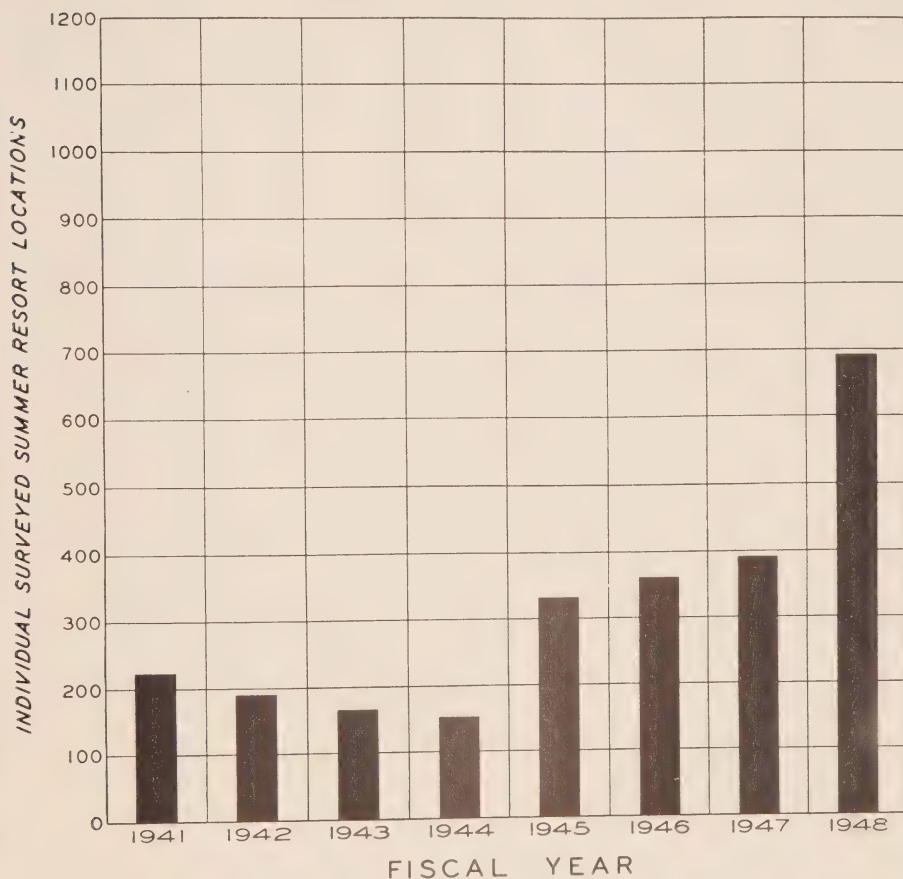
Townsite Subdivisions

The following subdivisions of land affected by the provisions of The Townsites Act were surveyed on privately-owned lands and approved by Orders-in-Council. A cash consideration was accepted by the Crown in lieu of selecting one-quarter of the number of lots as surveyed. By an amendment made to The Townsites Act which came into effect as from the 1st day of June, 1947, the provisions of The Townsites Act now only apply to the subdivision of land for commercial, industrial, residential or summer resort purposes, within five years of the issuance of Letters Patent.

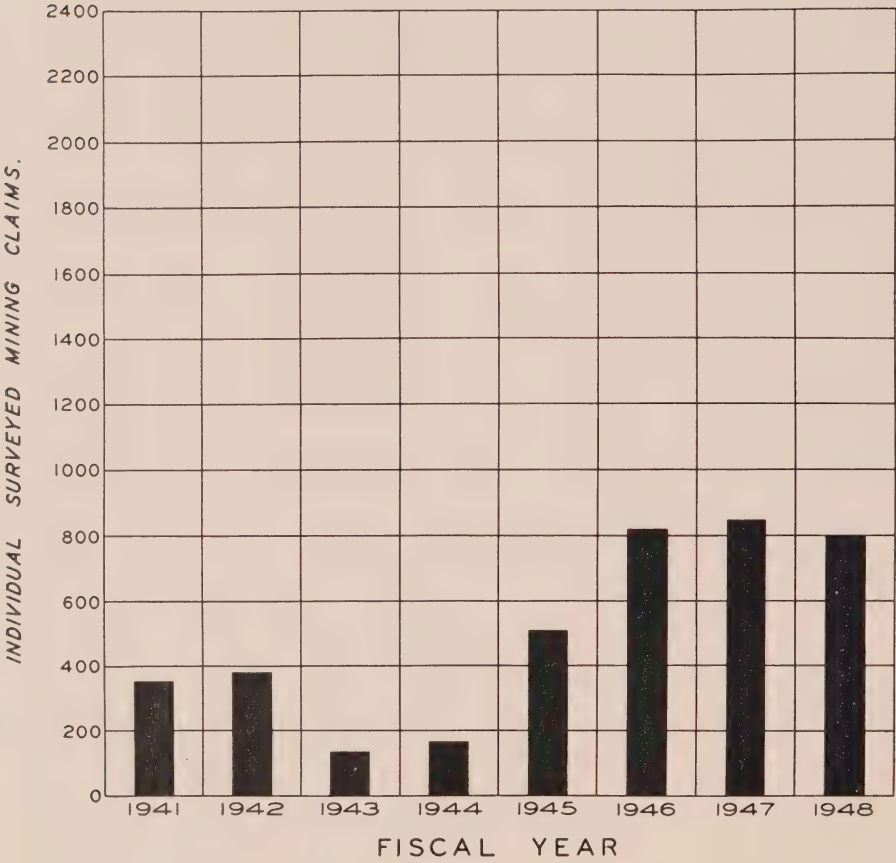
<i>Designation of Subdivision</i>	<i>Date of Order-in-Council</i>
1. Part of Mining Claim T.B. 10733, Town of Geraldton, District of Thunder Bay.	May 1, 1947
2. Terrace Bay Townsite, District of Thunder Bay.	Dec. 18, 1947

**SURVEYED SUMMER RESORT LOCATIONS ON CROWN LAND
EXAMINED BY THE DIVISION OF SURVEYS AND ENGINEERING**

DEPARTMENT OF LANDS AND FORESTS



SURVEYED MINING CLAIMS ON CROWN LAND EXAMINED BY THE
DIVISION OF SURVEYS AND ENGINEERING
DEPARTMENT OF LANDS AND FORESTS



Map Publications and Geographic Nomenclature

Place names, including those for lakes, rivers and streams, have been verified for sectional maps prepared for the Ontario Forest Resources Inventory Series, covering an area of 30,000 square miles.

The following maps were revised and lithographed:—

Map 32a—Districts of Algoma and Sudbury, scale of 4 miles to 1 inch.

Map 47a—Algonquin Provincial Park, scale 2 miles to 1 inch. This map was compiled and drawn from latest available information.

Map 10a—Islands in Georgian Bay in front of the Township of Harrison, scale 4 inches to 1 mile.

Distribution of Maps

National Topographic Series.....	11,215
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Provincial Maps

20A (Free Issue).....	1,975	
District Maps.....	7,373	
Island Maps.....	168	
Miscellaneous.....	1,100	
33A (Electoral).....	25	
42A (Township).....	506	
	<hr/>	
	11,147	11,147
	<hr/>	
Total.....		22,362

Provincial Maps

The demand for the free issue map 20A is lessening, but remains the same as last year for District Maps.

Photostating

Photostating required the use of 52,000 square feet of photostat paper.

Printing

Paper reproductions of survey plans and other matter consumed 87,200 square feet of sensitized paper.

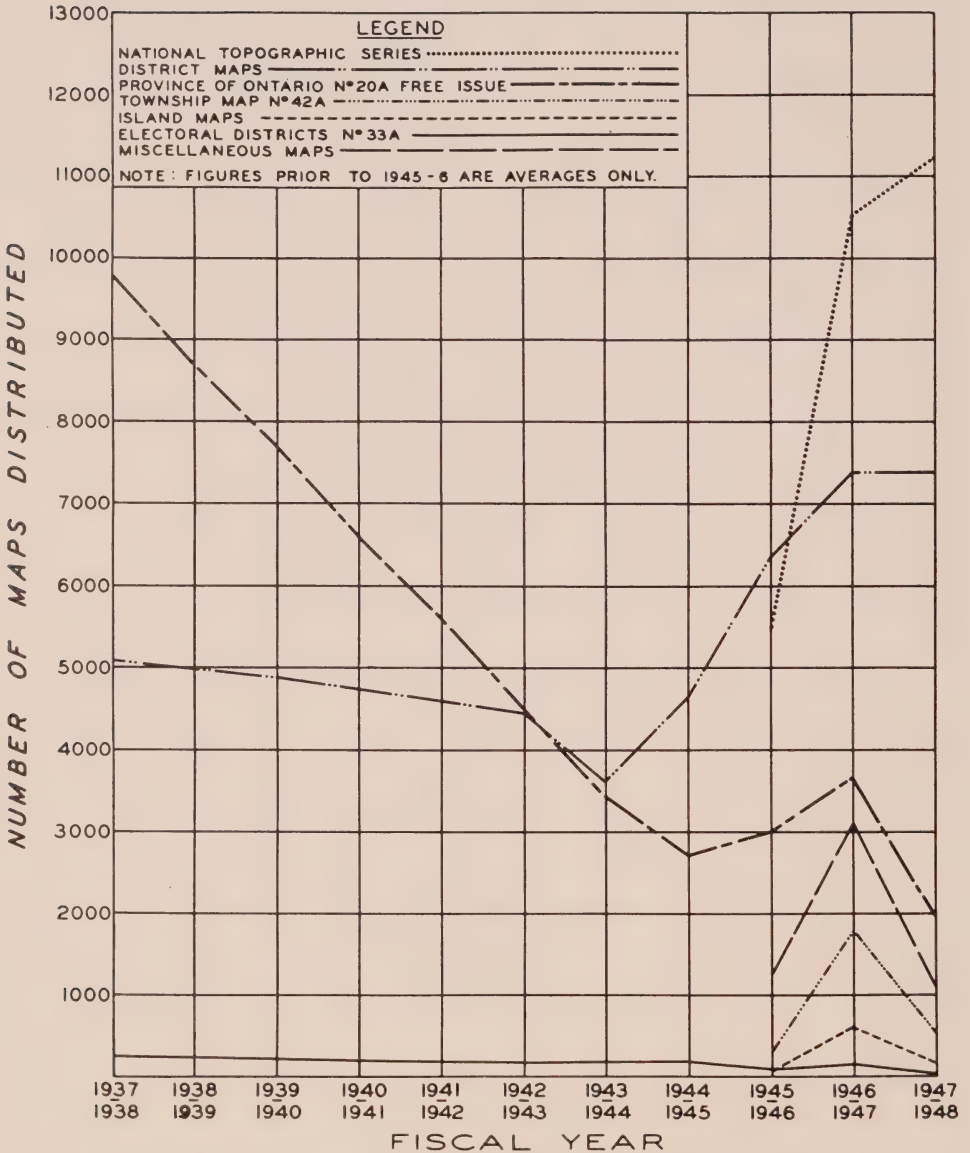
Survey Records

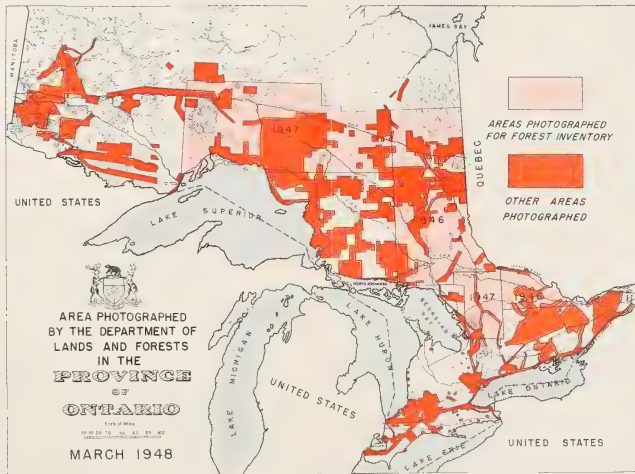
Thirty-two original township subdivision plans which were rapidly deteriorating have been remounted and 200 other plans were cellulosed.

The rebinding of survey field notes, reports and other records, was continued this year.

TREND OF MAP DISTRIBUTION

DEPARTMENT OF LANDS AND FORESTS





AERIAL SURVEYS SECTION

Vertical photographs covering an area of 11,613 square miles were taken during this fiscal year.

Photographs at a scale of 500 feet to 1 inch were taken over an area of two square miles for the Department of Planning and Development. From these photographs, it is possible to produce maps showing contours at 5-foot intervals by using the Multiplex Projector. These maps are used for conservation schemes and power developments.

In addition to the development of film, copy negatives and enlargements, 42,000 photographs were printed during the year.

The following table shows the distribution of the work performed:

	Area (Sq. Miles)	Totals
FOR OUTSIDE COMPANIES		
Hammermill Paper Company.....	30	30
OTHER GOVERNMENT DEPARTMENTS		
Highways.....	384	
*Hydro-Electric Power Commission.....	1,938	
*Mines.....	200	
*Planning and Development.....	2,203	4,725
DEPARTMENT OF LANDS AND FORESTS		
Dufferin County Forest.....	100	
Belmont Lake Fish Hatchery.....	22	
Pelee Point Area.....	26	
Southern Research Station.....	2	
Loughboro Lake Area.....	20	
Vivian Forest.....	7	
*Inventory.....	6,681	6,858
TOTAL.....		11,613

*Denotes Mapping required.



WINTER HAUL OF LOGS AT SULTAN, ONTARIO

DIVISION OF TIMBER MANAGEMENT

The Division of Timber Management is primarily concerned with the proper utilization of Crown timber. The immense timber resources of the Province, if they are to be intelligently used, require an intimate and scientific knowledge of what timber is growing throughout the Province and what has reached the stage where it should be harvested. With this in mind a Forest Inventory is now in progress and is reported on herein.

The proper utilization of timber which has been sold is also of the utmost importance and under present management plans (with the co-operation of the operators) progress is being made in this regard. This is also reported on.

Conditions for lumbering were favourable throughout the 1947-48 season and production of forest products was maintained.

Complete figures for 1947-48 production are not available at this time but a statement of timber cut 1946-47 and returned in 1947 is shown on Page 84, Table 1. Statements showing production by administrative districts of the Province for the season 1946-47 are also shown on Pages 85-99, Tables 2 to 20 inclusive.

Other activities of the Division are reported on herein, including:

Timber areas sold year ending March 31, 1948.

Mills Licensed.

Results of Scaler's examinations.

Timber agreements consummated.

FOREST RESOURCES INVENTORY

ANNUAL REPORT FISCAL YEAR ENDING MARCH 31, 1948

The resources inventory project started in the previous fiscal year was well under way at the commencement of the year. Photography completed during the year amounted to 46,043 square miles under contract and 6,681 square miles by the Department staff, making a total of 52,724 square miles for the entire programme.

MANAGEMENT PLANS AND CONTROL

During the fiscal year 1947-48 increasing activity has been in evidence in connection with the preparation of management plans. The photographs and planimetric base maps supplied by the Department have been of great assistance in providing basic control and in speeding up the coverage of the forest area in the surveys required to produce the management plans. The majority of the agreement holders are actively engaged in the preparation of forest inventories and management plans although there has been some difficulty in obtaining adequate personnel to carry on this work. As a result of issuing the manual of requirements for these plans, more satisfactory and uniform reports are being submitted.

TIMBER SALES—1947-48

Details of the 53 new sales of timber made during the season indicate that 746.25 square miles of timber limits were sold.

During the season, 58 timber licences comprising 187 square miles, were abandoned.

The status of the timber licensed areas in Ontario as at March 31st, 1948, was therefore as follows:

	No.	Area Sq. Miles
Licences and Renewals Issued 1947-48.....	887	11,490.50
Licences, in Suspense.....	58	604.75
Total.....	945	12,095.25

PULPWOOD AND TIMBER AGREEMENTS—1947-48

Area under pulpwood concession and timber agreement as at March 31, 1948—66,254.50 square miles.

MILLS LICENSED—1947-48

The mills licensed during the season under The Mills Licensing Act, were as follows:

Less than 5,000 ft. daily capacity.....	544
5,000 to 30,000 ft. daily capacity.....	661
Over 30,000 ft. daily capacity.....	49
Number of Paper Mills.....	35
	1289

SCALING

Scalers examinations were held during 1947 as follows:

- (1) Fort William.....September 27th
- (2) Huntsville.....November 1st
- (3) Minden.....May 9th
- (4) Thessalon.....June 6th

AREA UNDER PULPWOOD AND TIMBER AGREEMENT

FISCAL YEAR	SQ. MILES
1938-39.....	62,643.00
1939-40.....	65,330.00
1940-41.....	65,497.50
1941-42.....	66,509.50
1942-43.....	71,636.50
1943-44.....	56,690.50
1944-45.....	59,353.00
1945-46.....	53,754.00
1946-47.....	56,745.00
1947-48.....	66,254.50

TABLES

Table No. 1—Statement of amounts of timber cut during the year ending March 31, 1947.

Table No. 2—Classification of annual timber returns for the year ending March 31, 1947, by Districts:

2. Algonquin
- 2a. Chapleau
- b. Cochrane
- c. Fort Frances
- d. Geraldton
- e. Gogama
- f. Kapuskasing
- g. Kenora
- h. Lindsay (Trent)
- i. North Bay
- j. Parry Sound
- k. Port Arthur
- l. Sault Ste. Marie
- m. Sioux Lookout
- n. Sudbury
- o. Tweed (Quinte)

Table No. 3—Timber areas sold during the year ending March 31, 1948.

TABLE NO. 1
AMOUNTS OF TIMBER CUT
FOR THE YEAR ENDING MARCH 31, 1947

Species	Pieces	Feet	Cords	Cubic Feet
Red and White Pine.	2,043,152	102,501,390	.....	25,614,033
Jackpine.....	6,098,443	82,863,112	316,583.64	78,297,004
Spruce.....	1,772,905	37,826,169	1,738,982.33	188,644,656
Balsam.....	41,531	524,368	125,678.15	11,563,064
Hemlock.....	509,438	21,232,731	.....	5,731,428
Birch.....	282,496	18,513,711	.....	4,091,594
Maple.....	135,043	7,364,151	.....	1,796,816
Other Hardwoods...	66,444	2,553,871	.....	579,641
Poplar.....	1,220,028	22,727,026	58,172.06	14,189,918
Cedar.....	7,430	113,020	.....	52,035
Tamarac.....	643	9,593	.....	4,230
	12,177,553	296,229,142	2,239,416.18	330,564,410
Species	Pieces	Lineal Feet	Cords	Cubic Feet
Ties.....	119,386	.....	.....	358,158
Poles.....	156,011	.....	.....	237,533
Posts.....	58,135	.....	.....	87,203
Fuelwood.....	.....	.....	24,502.65	2,205,180
Lagging and Mining Timber.....	.....	541	.....	.....
Piling.....	.....	.....	.....	71,519
	333,532	541	24,502.65	2,959,593

TABLE No. 2
ALGONQUIN
CLASSIFICATION OF ANNUAL TIMBER RETURN
YEAR ENDING MARCH 31, 1947

Species	Cords	Pieces	Feet	Dues	Bonus	Total
Pine Logs.....	....	227,510	7,879,001	\$19,695.46	\$18,054.29	\$37,749.75
Pine Booms.....	....	12	3,788	9.47	....	9.47
Jackpine Logs.....	....	162,630	2,182,029	5,454.81	3,989.06	9,443.87
Ash Logs.....	....	29	1,991	4.98	....	4.98
Balsam Logs.....	....	611	6,000	12.00	....	12.00
Basswood Logs.....	....	2,451	109,172	272.92	394.14	667.06
Beech Logs.....	....	1,262	61,889	154.72	172.61	327.33
Birch Logs.....	....	61,446	3,941,619	9,854.03	10,353.86	20,207.89
Cedar Logs.....	....	329	4,838	7.25	7.80	15.05
Cherry Logs.....	....	514	23,308	58.27	140.89	199.16
Elm Logs.....	....	664	54,905	137.26	239.71	376.97
Hemlock Logs.....	....	64,070	2,894,734	4,342.08	764.26	5,106.34
Hemlock Booms.....	....	28	2,075	5.18	2.26	7.44
Maple Logs.....	....	33,811	2,062,933	5,157.32	7,214.08	12,371.40
Oak Logs.....	....	17	420	1.05	....	1.05
Poplar Logs.....	....	127,807	2,709,209	5,418.43	1,653.06	7,071.49
Spruce Logs.....	....	40,170	984,001	1,968.00	1,765.95	3,733.95
Spruce Booms.....	....	596	81,584	203.95	235.03	438.98
Poles (Cu. Ft.).....	....	12,081	117,181.30	4,231.40	....	4,231.40
Poles.....	....	96	....	35.00	35.00	70.00
Posts.....	....	50	....	1.00	1.50	2.50
Fuelwood (Hard).....	198.00	....	....	99.00	34.00	133.00
Fuelwood (Soft).....	50.00	....	....	12.50	....	12.50
Balsam Pulpwood.....	5.25	....	....	3.67	....	3.67
Poplar Pulpwood.....	286.00	....	....	114.40	....	114.40
Spruce Pulpwood.....	292.73	....	....	409.82	45.71	455.53
Jackpine Props.....	829.91	....	....	331.97	497.94	829.91
Spruce Pit Props.....	18.29	....	....	25.61	....	25.61
Props (Export).....	18.29	....	....	....	11.89	11.89
Props (Export).....	1,333.91	....	....	....	492.47	492.47
				\$58,021.55	\$46,105.51	\$104,127.06

Cut Under Permit

Logs.....	287,949 Ft. B. M.
Pulpwood.....	396.34 Cords
Pitwood.....	17.57 Cords
Fuelwood.....	319.20 Cords
Poles.....	527 Pieces
Posts.....	455 Pieces
Ties.....	50 Pieces

TABLE NO. 2a
CHAPLEAU
CLASSIFICATION OF ANNUAL TIMBER RETURN
YEAR ENDING MARCH 31, 1947

Species	Cords	Pieces	Feet	Dues	Bonus	Total
Pine Logs.....	.....	52	30,492	\$ 76.23	\$ 188.59	\$ 264.82
Jackpine Logs.....	.....	352,382	6,426,955	13,557.85	26,004.61	39,562.46
Jackpine Dim.....	.....	690	30,962	77.40	126.99	204.39
Poplar Logs.....	.....	.....	400	.80	.80	1.60
Spruce Logs.....	.....	12,500	241,444	482.89	891.71	1,374.60
Fuelwood (Hard).....	38.00	.....	.....	19.00	3.80	22.80
Fuelwood (Soft).....	122.00	.....	.....	30.50	6.10	36.60
Poles (Cu. Ft.).....	.....	14,878	120,074.95	4,103.76	.....	4,103.76
Balsam Pulpwood.....	443.07	.....	.....	310.15	.....	310.15
Jackpine Pulpwood.....	18,995.74	.....	.....	7,598.29	547.80	8,146.09
Poplar Pulpwood.....	2,332.34	.....	.....	932.94	.....	932.94
Spruce Pulpwood.....	14,943.30	.....	.....	20,920.62	54.38	20,975.00
Car Stakes.....	.....	4,025	.....	80.50	7.16	87.66
				\$48,190.93	\$27,831.94	\$76,022.87

Cut Under Permit

Jackpine..... 2,200 Feet
Birch..... 417 Feet
Jackpine Pulpwood..... 1,655 Cords
Fuelwood (Soft)..... 720 Cords
Fuelwood (Hard)..... 287 Cords
Poles..... 8,080 Lin. Ft.
Spruce..... 350 Pieces

TABLE No. 2b
COCHRANE
CLASSIFICATION OF ANNUAL TIMBER RETURN
YEAR ENDING MARCH 31, 1947

Species	Cords	Pieces	Feet	Dues	Bonus	Total
Pine Logs.....	....	19,213	1,543,251	\$ 3,858.12	\$ 9,385.92	\$ 13,244.04
Pine Booms.....	....	1	169	.42	1.27	1.69
Jackpine Logs.....	....	1,753,424	19,386,314	33,593.18	111,306.56	144,899.74
Jackpine Booms.....	....	3,436	160,823	402.01	796.71	1,198.72
Ash Logs.....	....	72	433	1.08	2.38	3.46
Balsam Logs.....	....	12,612	226,251	452.49	1,019.00	1,471.49
Beech Logs.....	....	40	319	.80	.64	1.44
Birch Logs.....	....	11,481	154,847	387.11	689.98	1,077.09
Cedar Logs.....	....	23	345	.52	1.55	2.07
Poplar Logs.....	....	359,541	5,377,986	10,776.53	14,395.95	25,172.48
Spruce Logs.....	....	417,938	7,228,051	14,456.14	45,382.68	59,838.82
Spruce Booms.....	....	4,345	579,686	1,449.17	3,375.46	4,824.63
Tamarac Logs.....	....	106	621	.93	4.04	4.97
Piling (Cu. Ft.).....	....	....	1,897,141.07	42,054.25	....	42,054.25
Ties.....	....	1,391	....	139.10	7.75	146.85
Poles.....	....	2,408	....	871.00	566.19	1,437.19
Posts.....	....	1,610	....	32.20	113.83	146.03
Fuelwood (Hard).....	3,304.63	....	....	1,652.27	499.26	2,151.53
Fuelwood (Soft).....	8,116.76	....	....	2,029.25	4,357.04	6,386.29
Balsam Pulpwood.....	13,674.11	....	....	9,721.34	2,747.79	12,469.13
Jackpine Pulpwood.....	2,021.61	....	....	808.64	656.90	1,465.54
Poplar Pulpwood.....	7,985.81	....	....	3,194.33	2,236.28	5,430.61
Spruce Pulpwood.....	326,963.91	....	....	457,284.83	122,201.62	579,486.45
Spruce Pit Props.....	46.03	....	....	64.44	11.49	75.93
Jackpine Pit Props.....	23,986.39	....	....	9,814.62	17,689.82	27,504.44
Balsam Exported.....	477.00	....	....	....	310.05	310.05
Poplar Exported.....	179.37	....	....	....	17.94	17.94
Spruce Exported.....	5,301.22	....	....	....	3,630.41	3,630.41
Jackpine Props Exported.....	24,044.34	....	....	....	7,472.64	7,472.64
Spruce Props Exported	46.03	....	....	....	29.92	29.92
				\$593,044.77	\$348,911.07	\$941,955.84

Cut Under Permit

Jackpine Logs.....	882,286 Feet
Pine Logs.....	285 Feet
Spruce Logs.....	893,356 Feet
Poplar Logs.....	1,368,652 Feet
Birch Logs.....	3,393 Feet
Posts.....	2,358 Pieces
Poles.....	2,668 Pieces
Ties.....	9,597 Pieces
Spruce Pulpwood.....	13,369.81 Cords
Jackpine Pulpwood.....	2,915.67 Cords
Poplar Pulpwood.....	22,005.43 Cords
Fuelwood.....	23,549.81 Cords

TABLE No. 2c
FORT FRANCES
CLASSIFICATION OF ANNUAL TIMBER RETURN
YEAR ENDING MARCH 31, 1947

Species	Cords	Pieces	Feet	Dues	Bonus	Total
Pine Logs.....	.....	10,573	446,561	\$ 1,116.37	\$ 2,273.76	\$ 3,390.13
Pine Booms.....	.....	874	183,566	458.89	781.11	1,240.00
Jackpine Logs.....	.....	464,212	5,970,175	9,149.48	19,215.10	28,364.58
Jackpine Booms.....	.....	799	56,787	141.96	157.05	299.01
Balsam Logs.....	.....	395	2,251	4.50	8.01	12.51
Birch Logs.....	.....	1,298	16,834	42.08	43.17	85.25
Cedar Logs.....	.....	214	4,034	6.18	15.37	21.55
Poplar Logs.....	.....	88,724	1,234,667	2,469.33	1,794.61	4,263.94
Spruce Logs.....	.....	24,545	292,212	584.42	1,177.93	1,762.35
Spruce Booms.....	.....	751	98,427	246.05	397.11	643.16
Fuelwood (Hard).....	91.27	.....	.....	45.63	.....	45.63
Fuelwood (Soft).....	244.44	.....	.....	61.10	151.57	212.67
Poles.....	.....	179	.....	51.00	.....	51.00
Posts.....	.....	8,971	.....	179.42	.....	179.42
Balsam Pulpwood.....	290.41	.....	.....	203.28	37.04	240.32
Jackpine Pulpwood.....	28,596.43	.....	.....	11,438.57	3,932.42	15,370.99
Poplar Pulpwood.....	8,709.74	.....	.....	3,483.89	915.43	4,399.32
Spruce Pulpwood.....	34,673.75	.....	.....	48,543.31	8,807.06	57,350.37
Jackpine Exported.....	15,830.59	.....	.....	.....	4,207.40	4,207.40
				\$78,225.46	\$43,914.14	\$122,139.60

Cut Under Permit

Jackpine Logs.....	5,373 Feet
Pine Logs.....	155,890 Feet
Balsam Logs.....	7,240 Feet
Spruce Logs.....	33,816 Feet
Poplar Logs.....	581,471 Feet
Jackpine.....	800 Lin. Ft.
Balsam.....	3,290 Lin. Ft.
Spruce Pulpwood.....	2,579.45 Cords
Poplar Pulpwood.....	173.43 Cords
Balsam Pulpwood.....	89.71 Cords
Jackpine Pulpwood....	41.37 Cords

TABLE No. 2d
GERALDTON
CLASSIFICATION OF ANNUAL TIMBER RETURN
YEAR ENDING MARCH 31, 1947

Species	Cords	Pieces	Feet	Dues	Bonus	Total
Jackpine Logs.....	....	415,915	6,430,505	\$15,184.99	\$26,987.47	\$42,172.46
Jackpine Booms.....	....	1,082	71,749	179.36	441.96	621.32
Balsam Logs.....	....	1,425	16,425	32.84	61.01	93.85
Birch Logs.....	....	3,070	58,106	145.25	8.58	153.83
Poplar Logs.....	....	128,284	2,588,928	5,177.86	3,988.55	9,166.41
Spruce Logs.....	....	97,916	1,826,747	3,653.49	8,895.48	12,548.97
Spruce Booms.....	....	2,032	217,390	543.46	1,237.81	1,781.27
Ties.....	....	151	....	15.10	7.55	22.65
Poles (Cu. Ft.).....	....	61,126	2,469,107.53	95,351.56	....	95,351.56
Fuelwood (Hard).....	479.88	....	....	239.93	....	239.93
Fuelwood (Soft).....	1,035.93	....	....	258.98	....	258.98
Balsam Pulpwood.....	14,420.90	....	....	10,094.62	6,491.41	16,586.03
Jackpine Pulpwood....	61,026.14	....	....	24,410.46	950.83	25,361.29
Poplar Pulpwood.....	14,520.47	....	....	5,808.18	....	5,808.18
Spruce Pulpwood.....	182,629.34	....	....	255,152.94	40,274.12	295,427.06
Balsam Exported.....	4,321.71	....	....	....	5,031.27	5,031.27
Jackpine Exported.....	13,577.58	....	....	....	3,548.36	3,548.36
Spruce Exported.....	121,271.78	....	....	....	109,013.10	109,013.10
				\$416,249.02	\$206,937.50	\$623,186.52

Cut Under Permit

Mixed Logs..... 153,312 Feet

Poles..... 147 Pieces

Posts..... 83 Pieces

Fuelwood..... 4,288 Cords

TABLE No. 2e
GOGAMA
CLASSIFICATION OF ANNUAL TIMBER RETURN
YEAR ENDING MARCH 31, 1947

Species	Cords	Pieces	Feet	Dues	Bonus	Total
Pine Logs.....	....	8,977	763,681	\$ 1,909.19	\$ 4,636.53	\$ 6,545.72
Jackpine Logs.....	....	205,056	3,919,514	9,740.74	12,880.83	22,621.57
Jackpine Dim.....	....	1,287	63,716	159.29	195.15	354.44
Spruce Logs.....	....	44,049	816,945	1,633.88	3,733.28	5,367.16
Spruce Booms.....	....	169	11,536	28.84	48.56	77.40
Ties.....	....	369	....	36.90	18.45	55.35
Car Stakes.....	....	5,887	....	117.74	58.87	176.61
Poles (Cu. Ft.).....	....	21,035	336,546.05	14,404.15	....	14,404.15
Balsam Pulpwood.....	202.87	....	....	142.01	240.37	382.38
Jackpine Pulpwood.....	18,650.97	....	....	7,460.38	5,095.55	12,555.93
Spruce Pulpwood.....	16,269.14	....	....	22,776.81	7,043.92	29,820.73
Spruce Exported.....	1,723.05	....	....	....	1,119.98	1,119.98
				\$58,409.93	\$35,071.49	\$93,481.42

Cut Under Permit

Pine Logs.....	1,142,198 Feet
Jackpine Logs.....	69,974 Feet
Spruce Logs.....	29,982 Feet
Balsam Logs.....	835 Feet
Poplar Logs.....	25,743 Feet
Poles.....	5,278 Pieces
Fuelwood.....	2,134 Pieces

TABLE No. 2f
KAPUSKASING
CLASSIFICATION OF ANNUAL TIMBER RETURN
YEAR ENDING MARCH 31, 1947

Species	Cords	Pieces	Feet	Dues	Bonus	Total
Jackpine Logs.....	....	38,649	499,916	\$ 962.36	\$ 2,090.88	\$ 3,053.24
Jackpine Booms.....	....	200	9,126	22.81	46.69	69.50
Birch Logs.....	....	1,224	15,754	39.38	7.88	47.26
Poplar Logs.....	....	157,514	3,966,078	7,932.16	4,462.50	12,394.66
Spruce Logs.....	....	422,907	8,350,438	16,700.87	38,745.37	55,446.24
Spruce Booms.....	....	3,371	322,339	805.84	1,645.91	2,451.75
Piling (Lin. Ft.).....	....	579	17,045	426.12	....	426.12
Spruce (Cu. Ft.).....	....	102,498	499,813.56	9,039.21	....	9,039.21
Fuelwood (Hard).....	1,151.42	....	....	572.70	57.57	630.27
Fuelwood (Soft).....	1,138.06	....	....	284.51	132.00	416.51
Poles.....	....	429	....	123.50	123.50	247.00
Posts.....	....	962	....	19.24	19.39	38.63
Balsam Pulpwood.....	38,056.39	....	....	26,639.44	20,418.18	47,057.62
Jackpine Pulpwood.....	36.66	....	....	14.67	.93	15.60
Poplar Pulpwood.....	688.94	....	....	278.57	234.73	513.30
Spruce Pulpwood.....	396,916.49	....	....	555,683.08	111,511.81	667,194.89
Balsam Exported.....	5,291.50	....	....	....	3,678.32	3,678.32
Jackpine Exported.....	15.83	....	....	....	3.96	3.96
Spruce Exported.....	200,742.94	....	....	....	140,691.21	140,691.21
				\$619,544.46	\$323,870.83	\$943,415.29

Cut Under Permit

Spruce Logs.....	1,523,143 Feet
Poplar Logs.....	1,610,512 Feet
Balsam Logs.....	3,871 Feet
Spruce and Balsam Pulpwood	30,600.06 Cords
Cedar.....	212.50 Cords
Fuelwood.....	5,306.72 Cords
Poles.....	41 Pieces
Posts.....	205 Pieces

TABLE No. 2g
KENORA
CLASSIFICATION OF ANNUAL TIMBER RETURN
YEAR ENDING MARCH 31, 1947

Species	Cords	Pieces	Feet	Dues	Bonus	Total
Pine Logs . . . . .	....	15,103	814,471	\$ 2,036.17	\$ 3,002.87	\$ 5,039.04
Pine Booms . . . . .	....	239	32,650	81.63	128.36	209.99
Jackpine Logs . . . . .	....	22,709	569,156	1,211.19	2,715.99	3,927.18
Jackpine Booms . . . . .	....	201	9,224	23.06	53.25	76.31
Poplar Logs . . . . .	....	5,095	69,468	138.94	123.66	262.60
Spruce Logs . . . . .	....	9,614	246,241	492.48	1,252.89	1,745.37
Spruce Booms . . . . .	....	770	116,881	292.19	687.20	979.39
Piling (Lin. Ft.) . . . . .	....	1,305	16,199	41.70	....	41.70
Fuelwood (Hard)	37.45	....	....	18.72	1.45	20.17
Fuelwood (Soft)	1,564.55	....	....	391.13	148.67	539.80
Ties . . . . .	....	21,491	....	2,149.10	883.90	3,033.00
Poles (Cu. Ft.) . . . . .	....	125	550.72	16.73	....	16.73
Posts . . . . .	....	750	....	15.00	60.00	75.00
Balsam Pulpwood	5,256.16	....	....	3,679.31	26.80	3,706.11
Jackpine Pulpwood	47,497.67	....	....	18,999.05	5,567.44	24,566.49
Poplar Pulpwood	320.22	....	....	128.09	30.29	158.38
Spruce Pulpwood	60,671.90	....	....	84,940.65	8,838.86	93,779.51
Spruce Exported	2,600.00	....	....	....	3,900.00	3,900.00
				\$114,655.14	\$27,421.63	\$142,076.77

Cut Under Permit

Pine Logs 41,000 Feet

Jackpine Logs 24,000 Feet

Poplar Logs 30,000 Feet

Spruce Logs 128,000 Feet

Pine 1,948 Lin. Ft.

Spruce 6,408 Lin. Ft.

Pulpwood 1,986 Cords

Fuelwood 3,012 Cords

TABLE No. 2h
LINDSAY
CLASSIFICATION OF ANNUAL TIMBER RETURN
YEAR ENDING MARCH 31, 1947

Species	Cords	Pieces	Feet	Dues	Bonus	Total
Pine Logs	42	1,553	\$ 3.88	....	\$ 3.88
Basswood Logs	106	3,826	9.56	....	9.56
Birch Logs	154	8,045	20.11	....	20.11
Hemlock Logs	233	6,379	9.57	....	9.57
Maple Logs	330	20,399	51.00	....	51.00
Spruce Dim.	7	219	.55	....	.55
Hemlock Dim.	8	343	.86	....	.86
	\$95.53	....	\$95.53

TABLE No. 2i
NORTH BAY
CLASSIFICATION OF ANNUAL TIMBER RETURN
YEAR ENDING MARCH 31, 1947

Species	Cords	Pieces	Feet	Dues	Bonus	Total
Pine Logs.....	....	780,996	46,932,328	\$117,330.78	\$309,617.74	\$426,948.52
Pine Booms.....	....	2,727	485,276	1,213.15	5,507.08	6,720.23
Jackpine Logs.....	....	526,762	4,747,004	7,263.69	29,131.20	36,394.89
Jackpine Booms.....	....	937	39,287	98.20	244.30	342.50
Ash Logs.....	....	316	8,752	21.87	2.62	24.49
Balsam Logs.....	....	31	469	.94	....	.94
Basswood Logs.....	....	1,214	53,078	132.69	....	132.69
Birch Logs.....	....	49,982	3,837,780	9,594.41	6,477.77	16,072.18
Cedar Logs.....	....	597	8,231	12.35	25.11	37.46
Elm Logs.....	....	37	3,346	8.36	....	8.36
Hemlock Logs.....	....	37,976	1,398,467	2,097.70	304.23	2,401.93
Maple Logs.....	....	2	78	.19	.27	.46
Poplar Logs.....	....	64,618	1,076,858	2,153.71	2,706.50	4,860.21
Spruce Logs.....	....	66,025	1,352,140	2,704.28	5,109.78	7,814.06
Spruce Booms.....	....	1,307	162,570	406.40	529.66	936. 6
Tamarac Logs.....	....	455	7,783	11.67	2.15	13.82
Birch (Cu. Ft.).....	....	....	65,119.35	651.19	....	651.19
Poles.....	....	952	....	280.75	94.25	375.00
Posts.....	....	1,271	....	25.42	36.89	62.31
Fuelwood (Hard).....	66.15	....	....	33.07	.72	33.79
Fuelwood (Soft).....	2.00	....	....	.50	.20	.70
Balsam Pulpwood.....	128.49	....	....	89.94	....	89.94
Jackpine Pulpwood.....	1,910.77	....	....	764.30	352.18	1,116.48
Poplar Pulpwood.....	2,053.08	....	....	821.24	193.57	1,014.81
Spruce Pulpwood.....	12,751.81	....	....	17,852.53	1,400.25	19,252.78
Jackpine Exported.....	182.73	....	....	....	45.68	45.68
Poplar Exported.....	70.50	....	....	....	7.05	7.05
	....	....	....	\$163,569.33	\$361,789.20	\$525,358.53

Cut Under Permit

Pine Logs.....	1,140,000 Feet
Jackpine Logs.....	934,000 Feet
Hemlock Logs.....	3,000 Feet
Spruce Logs.....	691,000 Feet
Birch Logs.....	182,000 Feet
Poplar Logs.....	305,000 Feet
Poles.....	5,458 Pieces
Posts.....	3,538 Pieces
Ties.....	6,070 Pieces
Pulpwood.....	11,141 Cords
Fuelwood.....	9,135 Cords

TABLE No. 2j
PARRY SOUND
CLASSIFICATION OF ANNUAL TIMBER RETURN
YEAR ENDING MARCH 31, 1947

Species	Cords	Pieces	Feet	Dues	Bonus	Total
Pine Logs.....		40,279	2,092,099	\$ 5,230.21	\$ 1,102.99	\$ 6,333.20
Pine Booms.....		246	20,226	50.56	....	50.56
Ash Logs.....		1,190	62,005	154.98	11.41	166.39
Balsam Logs.....		237	2,266	4.53	....	4.53
Basswood Logs.....		10,642	423,377	1,058.40	229.62	1,288.02
Beech Logs.....		1,539	67,532	168.82	52.57	221.39
Birch Logs.....		110,455	8,311,187	20,777.89	11,682.19	32,460.08
Cedar Logs.....		257	4,172	6.78	.62	7.40
Cherry Logs.....		199	7,029	17.57	4.06	21.63
Elm Logs.....		1,225	109,798	274.45	97.20	371.65
Hemlock Logs.....		246,004	10,595,834	15,893.21	2,326.49	18,219.70
Hemlock Booms.....		199	19,580	48.94	8.27	57.21
Maple Logs.....		50,752	2,672,985	6,682.41	2,876.44	9,558.85
Oak Logs.....		1,091	42,111	105.29	18.33	123.62
Poplar Logs.....		8,164	134,140	268.27	33.77	302.04
Spruce Logs.....		49,791	1,240,952	2,491.44	667.96	3,159.40
Spruce Booms.....		1,299	82,627	206.54	12.44	218.98
Poles.....		304	....	88.50	5.50	94.00
Posts.....		6,317	....	126.35	2.94	129.29
Fuelwood (Hard).....	749.50	....	....	374.75	9.80	384.55
Balsam Pulpwood.....	17.00	....	....	11.90	....	11.90
Poplar Pulpwood.....	262.50	....	....	105.00	....	105.00
Spruce Pulpwood.....	102.50	....	....	143.50	....	143.50
	....	....	....	\$54,290.29	\$19,142.60	\$73,432.89

Cut Under Permit

Pine Logs.....	1,698,832 Feet
Poplar Logs.....	409,388 Feet
Hemlock Logs.....	2,318,858 Feet
Spruce Logs.....	381,627 Feet
Birch Logs.....	713,334 Feet
Maple Logs.....	373,006 Feet
Sundry.....	945,076 Feet
Posts.....	2,283 Pieces
Poles.....	1,777 Pieces
Fuelwood.....	5,174.65 Cords
Pulpwood.....	4,364.50 Cords

TABLE No. 2k
PORT ARTHUR
CLASSIFICATION OF ANNUAL TIMBER RETURN
YEAR ENDING MARCH 31, 1947

Species	Cords	Pieces	Feet	Dues	Bonus	Total
Pine Logs.....		28,972	1,586,708	\$ 3,966.76	\$ 8,897.77	\$ 12,864.53
Pine Booms.....		57	6,432	16.07	34.19	50.26
Jackpine Logs.....		1,364,968	20,360,977	33,003.29	31,704.42	64,707.71
Jackpine Booms.....		5,713	329,348	823.33	1,466.20	2,289.53
Ash Logs.....		35	795	1.99	1.99	3.98
Balsam Logs.....		18,271	191,746	383.51	834.88	1,218.39
Birch Logs.....		1,470	26,918	67.28	74.20	141.48
Cedar Logs.....		580	11,017	16.52	28.80	45.32
Poplar Logs.....		160,711	3,396,162	6,792.31	4,260.29	11,052.60
Spruce Logs.....		324,752	6,590,837	13,181.66	25,621.56	38,803.22
Spruce Booms.....		8,417	956,253	2,390.57	4,498.84	6,889.41
Ties.....		8,129	.....	812.90	352.24	1,165.14
Posts.....		42	.....	.84	1.26	2.10
Poles (Cu. Ft.).....		27,019	369,791.03	14,982.48	.....	14,982.48
Fuelwood (Hard).....	258.56	.....	.....	129.28	38.78	168.06
Fuelwood (Soft).....	656.37	.....	.....	164.09	161.43	325.52
Balsam Pulpwood.....	33,129.66	.....	.....	23,188.02	11,599.84	34,787.86
Jackpine Pulpwood.....	44,808.78	.....	.....	17,923.20	6,758.22	24,681.42
Poplar Pulpwood.....	5,027.63	.....	.....	2,011.06	605.16	2,616.22
Spruce Pulpwood.....	329,284.59	.....	.....	454,000.63	115,623.75	569,624.38
Balsam Exported.....	12,181.63	.....	.....	.....	9,580.76	9,580.76
Jackpine Exported.....	20,492.30	.....	.....	.....	6,023.05	6,023.05
Poplar Exported.....	728.00	.....	.....	.....	72.80	72.80
Spruce Exported.....	51,167.53	.....	.....	.....	39,724.41	39,724.41
	.....	.....	.....	\$573,855.79	\$267,964.84	\$841,820.63

Cut Under Permit

White Pine Logs.....	251,101 Feet
Jackpine Logs.....	421,475 Feet
Spruce Logs.....	43,953 Feet
Balsam Logs.....	43,120 Feet
Cedar Logs.....	7,018 Feet
Poplar Logs.....	75,476 Feet
Birch Logs.....	1,267 Feet
Jackpine Pulpwood.....	1,017.00 Cords
Spruce Pulpwood.....	879.00 Cords
Balsam Pulpwood.....	1,424.00 Cords
Poplar Pulpwood.....	350.00 Cords
Fuelwood (Soft).....	1,937.00 Cords
Fuelwood (Hard).....	1,943.00 Cords
Ties.....	2,907 Pieces
Poles.....	633 Pieces
Posts.....	1,249 Pieces

TABLE No. 21
SAULT STE. MARIE
CLASSIFICATION OF ANNUAL TIMBER RETURN
YEAR ENDING MARCH 31, 1947

Species	Cords	Pieces	Feet	Dues	Bonus	Total
Pine Logs.....		334,451	19,559,321	\$ 48,898.27	\$ 83,097.07	\$131,995.34
Pine Booms.....		3,156	521,487	1,303.71	3,911.52	5,215.23
Jackpine Logs.....		347,489	5,891,259	10,716.73	35,135.44	45,852.17
Jackpine Booms.....		2,176	111,902	279.74	588.70	868.44
Ash Logs.....		49	3,323	8.32	12.44	20.76
Balsam Logs.....		232	5,538	11.07	22.87	33.94
Birch Logs.....		12,897	774,392	1,935.95	2,742.17	4,678.12
Cedar Logs.....		258	3,956	5.93	14.14	20.07
Elm Logs.....		18	2,013	5.03	8.78	13.81
Hemlock Logs.....		8,244	495,163	742.72	1,260.55	2,003.27
Maple Logs.....		7,146	319,460	798.62	851.41	1,650.03
Oak Logs.....		596	47,414	118.51	215.99	334.50
Spruce Logs.....		50,104	1,373,279	2,746.56	6,733.05	9,479.61
Spruce Booms.....		5,124	377,244	943.09	1,802.44	2,745.53
Tamarac Logs.....		35	289	.43	1.59	2.02
Fuelwood (Hard).....	19.00			9.50	2.85	12.35
Ties.....		202		20.20	4.04	24.24
Poles.....		186		59.00	42.25	101.25
Posts.....		5		.10	.10	.20
Car Stakes.....		5,430		325.80		325.80
Balsam Pulpwood.....	14,371.65			10,060.66	3,911.77	13,972.43
Jackpine Pulpwood.....	21,655.32			8,662.13	3,209.37	11,871.50
Poplar Pulpwood.....	530.19			212.07	78.20	290.27
Spruce Pulpwood.....	156,106.74			218,549.44	37,823.61	256,373.05
Jackpine Exported.....	15.00				3.75	3.75
Spruce Exported.....	20,206.71				13,134.36	13,134.36
				\$306,413.58	\$194,608.46	\$501,022.04

Cut Under Permit

Pine Logs.....	443,879 Feet
Jackpine.....	113,385 Feet
Spruce Logs.....	43,946 Feet
Hemlock Logs.....	565,538 Feet
Birch Logs.....	853,281 Feet
Maple Logs.....	216,050 Feet
Oak Logs.....	54,460 Feet
Elm Logs.....	6,747 Feet
Ash Logs.....	2,999 Feet
Poplar Logs.....	25,536 Feet
Cedar Logs.....	2,696 Feet
Pulpwood.....	414.57 Cords
Fuelwood.....	1,477.57 Cords
Ties.....	1,299 Pieces
Poles.....	267 Pieces
Posts.....	1,382 Pieces
Cedar.....	3,137 Lin. Ft.

TABLE No. 2m
 SIOUX LOOKOUT
 CLASSIFICATION OF ANNUAL TIMBER RETURN
 YEAR ENDING MARCH 31, 1947

Species	Cords	Pieces	Feet	Dues	Bonus	Total
Pine Logs . . . . .	.....	24,109	686,259	\$ 1,715.65	\$ 3,981.11	\$ 5,696.76
Pine Booms . . . . .	.....	789	157,820	394.55	1,027.27	1,421.82
Jackpine Logs . . . . .	.....	183,751	2,731,986	5,882.49	13,638.98	19,521.47
Jackpine Booms . . . . .	.....	1,708	99,201	247.99	404.21	652.20
Poplar Logs . . . . .	.....	887	25,294	50.59	44.26	94.85
Spruce Logs . . . . .	.....	49,469	877,877	1,755.75	4,302.48	6,058.23
Spruce Booms . . . . .	.....	4,696	645,025	1,612.54	3,187.80	4,800.34
Fuelwood (Soft)	204.78	.....	.....	51.19	.....	51.19
Ties . . . . .	.....	85,460	.....	8,546.00	2,761.40	11,307.40
Lagging (Lin. Ft.) . . . . .	.....	541	11,890	39.63	.....	39.63
Poles (Cu. Ft.) . . . . .	.....	9,708	81,970.96	3,047.17	1,163.12	4,210.29
Poles . . . . .	.....	7	.....	1.75	1.75	3.50
Balsam Pulpwood	4,993.31	.....	.....	3,495.31	158.41	3,653.72
Jackpine Pulpwood	17,194.09	.....	.....	6,877.64	5,493.23	12,370.87
Poplar Pulpwood	1,311.71	.....	.....	524.68	123.44	648.12
Spruce Pulpwood	196,776.50	.....	.....	275,009.22	21,769.28	296,778.50
Spruce Exported	60,213.88	.....	.....	.....	40,786.17	40,786.17
.....	.....	.....	.....	\$309,252.15	\$98,842.91	\$408,095.06

Cut Under Permit

Pine Logs	63,395 Feet
Jackpine Logs	1,077,522 Feet
Hemlock Logs	43,956 Feet
Spruce Logs	2,602,533 Feet
Pulpwood	2,527.00 Cords
Fuelwood	17,638.00 Cords

TABLE No. 2n
SUDBURY
CLASSIFICATION OF ANNUAL TIMBER RETURN
YEAR ENDING MARCH 31, 1947

Species	Cords	Pieces	Feet	Dues	Bonus	Total
Pine Logs.....	.....	347,620	13,030,249	\$32,575.56	\$58,605.18	\$91,180.74
Pine Booms.....	.....	2,028	257,336	643.31	1,446.19	2,089.50
Jackpine Logs.....	.....	240,889	2,698,786	6,392.51	6,433.91	12,826.42
Jackpine Booms.....	.....	1,378	66,411	166.01	223.47	389.48
Basswood Logs.....	.....	6,653	212,857	532.14	554.82	1,086.96
Birch Logs.....	.....	5,667	135,048	337.59	358.07	695.66
Cedar Logs.....	.....	764	12,402	18.62	57.47	76.09
Cedar Booms.....	.....	25	867	2.16	2.70	4.86
Hemlock Logs.....	.....	12,170	506,744	760.10	301.96	1,062.06
Maple Logs.....	.....	4,854	145,708	364.27	499.48	863.75
Oak Logs.....	.....	22	516	1.29	2.06	3.35
Poplar Logs.....	.....	49,530	761,968	1,523.92	1,922.48	3,446.40
Spruce Logs.....	.....	43,639	731,220	1,462.43	2,382.65	3,845.08
Spruce Booms.....	.....	1,251	77,960	194.87	383.18	578.05
Piling (Cu. Ft.).....	.....	.....	5,248.25	355.21	.....	355.21
Piling (Lin. Ft.).....	.....	40	1,135.00	34.05	.....	34.05
Piling (Pieces).....	.....	175	.....	8.75	.....	8.75
Fuelwood (Hard).....	533.90	.....	.....	266.95	24.80	291.75
Fuelwood (Soft).....	718.39	.....	.....	179.59	25.70	205.29
Shingle Bolts.....	1.63	.....	.....	1.63	.....	1.63
Ties.....	.....	1,714	.....	253.10	4.00	257.10
Poles (Cu. Ft.).....	.....	981	11,412.28	427.94	.....	427.94
Poles.....	.....	4,431	.....	1,493.25	233.25	1,726.50
Posts.....	.....	32,586	.....	759.90	888.08	1,647.98
Car Stakes.....	.....	2,040	.....	40.80	7.21	48.01
Balsam Pulpwood.....	295.20	.....	.....	206.64	47.06	253.70
Jackpine Pulpwood.....	54,189.46	.....	.....	21,675.80	206.39	21,882.19
Poplar Pulpwood.....	12,923.86	.....	.....	5,169.56	808.42	5,977.98
Spruce Pulpwood.....	10,245.84	.....	.....	14,344.19	205.95	14,550.14
Balsam Exported.....	239.51	.....	.....	.....	155.68	155.68
Jackpine Exported.....	923.74	.....	.....	.....	230.93	230.93
Poplar Exported.....	353.17	.....	.....	.....	35.31	35.31
Spruce Exported.....	1,894.54	.....	.....	.....	1,298.90	1,298.90
.....	.....	.....	.....	\$90,192.14	\$77,345.30	\$167,537.44

Cut Under Permit

Red & White Pine.....	837,815 Feet
Jackpine.....	345,752 Feet
Spruce.....	158,347 Feet
Hemlock.....	131,072 Feet
Birch.....	199,219 Feet
Maple.....	66,406 Feet
Hardwood Logs.....	5,200 Feet
Poplar Logs.....	192,257 Feet
Jackpine Pulpwood.....	271.31 Cords
Spruce Pulpwood.....	604.50 Cords
Balsam Pulpwood.....	52.50 Cords
Poplar Pulpwood.....	1,557.28 Cords
Ties.....	5,181 Pieces
Poles.....	6,925 Pieces
Posts.....	4,061 Pieces
Spruce.....	657 Pieces
Fuelwood.....	3,388.25 Cords

TABLE No. 20

TWEED

CLASSIFICATION OF ANNUAL TIMBER RETURN

YEAR ENDING MARCH 31, 1947

Species	Cords	Pieces	Feet	Dues	Bonus	Total
Pine Logs.....		194,567	5,412,216	\$13,529.76	\$22,368.09	\$35,897.85
Pine Booms.....		559	54,450	136.12	56.47	192.59
Ash Logs.....		1,612	72,824	182.00	120.11	302.11
Balsam Logs.....		7,717	73,422	147.91	169.87	317.78
Basswood Logs.....		22,513	722,009	1,801.63	1,168.68	2,970.31
Beech Logs.....		5,958	191,325	478.29	136.21	614.50
Birch Logs.....		23,352	1,233,181	3,082.86	2,492.62	5,575.48
Cedar Logs.....		4,326	59,017	90.30	168.84	259.14
Cedar Booms.....		57	4,141	8.45	1.40	9.85
Cherry Logs.....		128	5,673	14.18	23.49	37.67
Elm Logs.....		2,393	158,395	395.95	308.25	704.20
Hemlock Logs.....		140,478	5,309,355	7,964.13	2,187.19	10,151.32
Hemlock Booms.....		28	4,057	10.15	....	10.15
Maple Logs.....		38,148	2,142,588	5,356.42	2,436.68	7,793.10
Oak Logs.....		3,859	103,436	258.53	151.05	409.58
Poplar Logs.....		69,153	1,385,868	2,772.72	1,575.75	4,348.47
Spruce Logs.....		81,623	1,655,548	3,311.70	2,820.52	6,132.22
Spruce Booms.....		3,728	288,196	720.37	77.20	797.57
Tamarac Logs.....		47	900	1.44	1.92	3.36
Piling (Cu. Ft.).....		....	1,151.85	58.76	....	58.76
Shingle Bolts.....	4.00	....	....	3.00	....	3.00
Fuelwood (Hard).....	2,845.61	....	....	1,422.79	366.50	1,789.29
Fuelwood (Soft).....	876.00	....	....	219.00	3.75	222.75
Ties.....		479	....	47.90	12.35	60.25
Trees.....		20	....	20.00	....	20.00
Poles.....		66	....	19.25	4.75	24.00
Posts.....		5,571	....	111.42	54.93	166.35
Balsam Pulpwood.....	403.68	....	....	282.57	77.96	360.53
Poplar Pulpwood.....	1,219.57	....	....	487.84	153.64	641.48
Spruce Pulpwood.....	353.79	....	....	495.31	17.03	512.34
Balsam Exported.....	229.55	....	....	....	149.19	149.19
Spruce Exported.....	142.34	....	....	....	92.52	92.52
	....	....	....	\$43,430.75	\$37,196.96	\$80,627.71

Cut Under Permit

Pine Logs.....	1,102,136 Feet
Maple Logs.....	96,885 Feet
Basswood Logs.....	58,964 Feet
Hemlock Logs.....	131,223 Feet
Beech Logs.....	3,941 Feet
Elm Logs.....	46,853 Feet
Ash Logs.....	10,482 Feet
Poplar Logs.....	409,224 Feet
Balsam Logs.....	115,664 Feet
Birch Logs.....	60,665 Feet
Spruce Logs.....	160,231 Feet
Hardwood Logs.....	11,105 Feet
Cedar Logs.....	33,058 Feet
Oak Logs.....	31,188 Feet
Fuelwood.....	474.00 Cords
Spruce Pulpwood.....	132.75 Cords
Balsam Pulpwood.....	373.63 Cords
Poplar Pulpwood.....	1,038.81 Cords
Jackpine Pulpwood.....	3.00 Cords
Tamarac Pulpwood.....	11.50 Cords

TABLE No. 3
Timber Sales from April 1, 1947 to March 31, 1948

Date Offered 1947	Date Sold 1947	Locality	Area sq. miles	No. of Tenders	To Whom Sold	Prices Paid				Total
						Kind of Timber	Bid	Upset	Dues	
May 5	May 20	Gowan Twp.	1/4	1	T. S. Woollings and Co. Ltd., South Porcupine, Ont.	Spruce Pulpwood Balsam Pulpwood	..... To be paid for a Spruce	\$ 0.40	\$1.40	\$ 1.80 Per Cord
May 6	May 27	Tudor Twp.	1/4	1	Jack Hammond, Gilmour, Ont.	White Pine Logs Poplar Logs	.....	12.50 3.00	2.50 2.00	15.00 Per M.B.M. 5.00 Per M.B.M.
May 7	May 28	Prince Twp.	1/4	1	Wesley Vivian, R. R. No. 6, Sault Ste. Marie, Ont.	Birch Logs Maple Logs Oak Logs Spruce Logs	\$.25 .25 .25 .25	5.50 3.50 5.50 5.00	2.50 2.50 2.50 2.00	8.25 Per M.B.M. 6.25 Per M.B.M. 8.25 Per M.B.M. 7.25 Per M.B.M.
May 8	May 29	Dennis Twp.	1/4	1	F. G. Miller, Box 461, Sault Ste. Marie, Ont.	Birch Logs Maple Logs Oak Logs Spruce Logs Pine Logs	1.00 1.00 1.00 1.00 1.00	5.50 3.50 5.50 5.00 7.50	2.50 2.50 2.50 2.00 2.50	9.00 Per M.B.M. 7.00 Per M.B.M. 9.00 Per M.B.M. 8.00 Per M.B.M. 11.00 Per M.B.M.
May 9	May 30	Teck Twp.	1/2	2	W. H. Nichol, Boston Creek, Ont.	Jackpine Logs Jackpine Pulp Fuelwood	6.00 .50 .50	8.50 .35 .25	1.50 .40 .25	16.00 Per M.B.M. 1.25 Per Cord 1.00 Per Cord
May 14	June 5	Lebel Twp.	2	1	E. E. Potter, Swastika, Ont.	Jackpine Logs Poplar Logs Poplar Pulpwood Spruce Pulpwood Jackpine Pitprops Birch Fuelwood	2.00 1.00 .25 .50 1.50 .25	8.50 3.00 .35 .60 1.50 .25	1.50 2.00 .40 1.40 .40 .50	12.00 Per M.B.M. 6.00 Per M.B.M. 1.00 Per Cord 2.50 Per Cord 2.50 Per Cord 1.00 Per Cord
May 16	June 12	Sharpe and Davidson	8	1	McGugan Lbr. and Pulpwood Co., Sesikimika Lake, Ont.	Jackpine Logs Spruce Logs Spruce Pulp	1.50 1.50 .15	6.00 5.50 .25	1.50 2.00 1.40	9.00 Per M.B.M. 9.00 Per M.B.M. 1.80 Per Cord

TABLE No. 3
Timber Sales from April 1, 1947 to March 31, 1948

Date Offered 1947	Date Sold 1947	Locality	Area sq. miles	No. of Tenders	To Whom Sold	Prices Paid				Total
						Kind of Timber	Bid	Upset	Dues	
May 20	June 12	Denbigh Twp.	1½	1	C. E. Snider, Vernacher, Ont.	Hemlock Logs Maple, Birch, Basswood and Oak	\$ 1.50	\$ 4.00	\$1.50	\$ 7.00 Per M.B.M.
May 22	June 12	Gillies Limit (Part)	2¾	2	Edgar J. Burns, Latchford, Ont.	Red and White Pine Spruce Logs Hardwood Logs	4.00 1.00 2.00	7.50 6.00 7.50	2.50 2.00 2.50	14.00 Per M.B.M. 9.00 Per M.B.M. 12.00 Per M.B.M.
May 26	June 18	Darling Twp.	1½	8	Stewart Bros. Waba, Ont.	Pine Logs Poplar Logs Spruce Logs Spruce Pulpwood Balsam Pulpwood	18.10 2.00 14.60 1.00 To be paid for at the same tendered rate on Spruce Pulpwood.	7.50 3.00 5.00 .10 .35	2.50 2.00 2.00 .40 .40	28.10 Per M.B.M. 7.00 Per M.B.M. 21.60 Per M.B.M. 2.50 Per Cord 2.00 Per Cord
June 3	June 24	Black Twp. (Part)	2	2	R. Guertin, Ramore, Ont.	Jackpine Logs Poplar Logs Spruce Pulpwood Poplar Pulpwood Jackpine Pitprops	3.00 2.00 .50 .35 1.00	7.50 2.50 .35 .25 .60	1.50 2.00 1.40 .40 .40	12.00 Per M.B.M. 6.50 Per M.B.M. 2.25 Per Cord 1.00 Per Cord 2.00 Per Cord
June 4	June 24	Sproule Twp.	1	2	D. H. Clarke, Suite 101, 371 Bay St. Toronto, Ont.	Red, White Pine Logs Hardwood Logs Spruce Logs Hemlock Logs Spruce Pulpwood Balsam Pulpwood	2.50 2.00 2.00 4.50 2.00 2.00	10.00 4.50 6.00 4.00 .85 .55	2.50 2.50 2.00 1.50 1.40 .70	15.00 Per M.B.M. 9.00 Per M.B.M. 10.00 Per M.B.M. 10.00 Per M.B.M. 4.25 Per Cord 3.25 Per Cord
June 16	July 8	Newmarket Twp.	¼	2	Charles Pedskalney, Porquis Jct., Ont.	Spruce Pulpwood Balsam Pulpwood Poplar Pulpwood	.15 To be paid for at same rate as Spruce Pulpwood. .25	.40 .35 .40	1.40 .40	1.95 Per Cord 1.00 Per Cord

TABLE No. 3
Timber Sales from April 1, 1947 to March 31, 1948

Date Offered 1947	Date Sold 1947	Locality	Area sq. miles	No. of Tenders	To Whom Sold	Prices Paid				Total
						Kind of Timber	Bid	Upset	Dues	
June 16	July 8	Dungannon Twp.	¾	2	Charles Ley King, E., 1751 Seventh Ave. E., Owen Sound, Ont.	Pine Logs Spruce Logs Poplar Logs	\$13.00	\$12.50 7.00 4.00	\$2.50 2.00 2.00	\$28.00 Per M.B.M. 9.00 Per M.B.M. 6.00 Per M.B.M.
June 18	July 15	Lyndoch Twp.	¾	3	T. A. Wilson Lumber Co. Ltd., Cannington, Ont.	Spruce & Balsam Logs Hemlock Logs Hardwood Logs Poplar Logs	5.25 5.35 6.50 3.00	5.00 3.50 4.50 3.00	2.00 1.50 2.50 2.00	12.25 Per M.B.M. 10.35 Per M.B.M. 13.50 Per M.B.M. 8.00 Per M.B.M.
June 27	July 21	Limerick Twp.	¼	2	Malcolm Martin, Ormsby, Ont.	Pine Logs	3.00	12.50	2.50	18.00 Per M.B.M.
July 7	July 24	Mowat Twp.	1½	1	Oakville Basket Co. Ltd., Oakville, Ont.	White Birch Cordwood Basswood Cordwood Poplar Cordwood	.60 .50 .50	.50 .50 .55	.50 .50 .25	1.60 Per Cord 1.50 Per Cord 1.30 Per Cord
July 9	July 28	Sheraton Twp.	¾	3	Chaput's Wood Yard, 44 Windsor Ave., Timmins, Ont.	Jackpine Logs Spruce Logs Spruce Pulpwood Jackpine Pitprops	2.00 3.00 1.00 .50	9.00 9.00 .35 1.35	1.50 2.00 1.40 .40	12.50 Per M.B.M. 14.00 Per M.B.M. 2.75 Per Cord 2.25 Per Cord
July 22	Aug. 19	Bristol Twp.	1	1	Messrs. E. W. Montigny and J. Lefebvre, Box 277, Timmins, Ont.	Spruce Pulpwood Balsam Pulpwood Birch Fuelwood	.20 To be paid for at the same rates as tendered on Spruce Pulpwood. .....	.40......15	1.40......50	2.00 Per Cord......65 Per Cord
July 23	Aug. 19	Galbraith Twp.	½	1	Chas. Schultz, Poplar Dale, Ont.	Hemlock Logs Birch Logs Oak Logs Red and White Pine Cedar Posts Cedar Poles 21 to 30' 31 to 40' 41 to 50'	..... .10 .10 3.00	2.50 5.50 5.50 7.50	1.50 2.50 2.50 2.50	4.00 Per M.B.M. 8.10 Per M.B.M. 8.10 Per M.B.M. 13.00 Per M.B.M.

TABLE No. 3
Timber Sales from April 1, 1947 to March 31, 1948

Date Offered 1947	Date Sold 1947	Locality	Area sq. miles	No. of Tenders	To Whom Sold	Prices Paid				Total
						Kind of Timber	Bid	Upset	Dues	
July 23	Aug. 21	McCart Twp.	1½	1	Peter Aar, Nellie Lake, Ont.	Spruce Pulpwood Balsam Pulpwood	\$.45 To be paid for at same rate as tendered for Spruce Pulpwood.	\$.40	\$1.40	\$ 2.25 Per Cord
July 24	Aug. 27	Playfair Twp.	1	2	R. Guertin, Ramore, Ont.	Jackpine Logs Poplar Logs Spruce Pulpwood Balsam Pulpwood	2.00 1.00 To be paid for at same rate as tendered on Spruce Pulpwood.	8.50 3.00 .40	1.50 2.00 1.40	12.00 Per M.B.M. 5.00 Per M.B.M. 2.80 Per Cord
July 25	Aug. 27	Cherrimain Twp.	1¾	2	Northern Ski Co. Ltd., 581 Edna Ave., Sudbury, Ont.	Jackpine Pitprops Jackpine Logs Tamarac Logs Spruce Logs Balsam Logs White Birch Logs Poplar Logs Elm Logs Ash Logs Maple Logs Oak Logs Cedar Posts Cedar Poles Under 9" Top 10 cu. ft. less 10 to 20 cu. ft. 20 to 30 cu. ft.	.45 .45 1.25 1.25 1.00 1.00 1.40 1.40 1.40 1.40 1.40 .01	8.25 8.25 7.75 7.75 5.50 3.00 5.50 5.50 5.50 5.50 5.50 .02	1.50 1.50 2.00 2.00 2.50 2.00 2.50 2.50 2.50 2.50 2.50 .02	10.20 Per M.B.M. 10.20 Per M.B.M. 11.00 Per M.B.M. 11.00 Per M.B.M. 9.00 Per M.B.M. 6.00 Per M.B.M. 9.40 Per M.B.M. 9.40 Per M.B.M. 9.40 Per M.B.M. 9.40 Per M.B.M. 9.40 Per M.B.M. .05 each
July 25	Aug. 27	Whitney Twp.	¾	1	L. G. Lamothe, 16 Tisdale Ave., South Porcupine, Ont.	Spruce Pulpwood Balsam Pulpwood Fuelwood, Hard Fuelwood, Soft	..... To be paid for at the same rate as tendered for Spruce Pulpwood	1.35 .40 .40	1.40 .50 .25	2.75 Per Cord same rate as tendered .90 Per Cord .65 Per Cord

TABLE No. 3
Timber Sales from April 1, 1947 to March 31, 1948

Date Offered 1947	Date Sold 1947	Locality	Area sq. miles	No. of Tenders	To Whom Sold	Prices Paid				Total
						Kind of Timber	Bid	Upset	Dues	
Aug. 1	Aug. 28	Leitch Twp.	1 $\frac{3}{4}$	2	Messrs. Carrere and Girard, Cochrane, Ont.	Spruce Logs	\$.00 $\frac{3}{4}$	.....	\$ .02 $\frac{3}{4}$	\$.03 $\frac{1}{2}$ Per Cu. Ft.
						Poplar Logs	.00 $\frac{3}{4}$	.....	.01 $\frac{1}{2}$	.02 $\frac{1}{4}$ Per Cu. Ft.
						Spruce Pulpwood	.25	\$.40	1.40	2.05 Per Cord
						Balsam Pulpwood	.20	1.10	.70	2.00 Per Cord
Sept. 11	Oct. 1	Tolstoi Twp.	2	2	Himbruff Tbr. Co., Matheson, Ont.	Poplar	.25	.25	.40	.90 Per Cord
						Jackpine Logs	2.50	7.50	2.50	12.50 Per M.B.M.
						Spruce Pulpwood	.20	.40	1.40	2.00 Per Cord
						Jackpine Pitprops	.25	.85	.40	1.50 Per Cord
Sept. 15	Oct. 6	Mowat and Blair Twp.	10 $\frac{1}{2}$	1	Jos. Pequett, 139 Xavier St., Sudbury, Ont.	Pine Logs	.....	9.50	2.50	12.00 Per M.B.M.
						Hardwood Logs	.....	3.50	2.50	6.00 Per M.B.M.
						Hemlock Logs	.....	1.50	1.50	3.00 Per M.B.M.
						Spruce Logs	.....	4.00	2.00	6.00 Per M.B.M.
Sept. 24	Oct. 20	Fitzgerald Twp.	1 $\frac{1}{2}$	1	Shaw Bros., Pembroke, Ont.	Poplar Logs	.....	4.00	2.00	6.00 Per M.B.M.
						Red Pine Logs	.....	12.00	2.50	14.50 Per M.B.M.
						Up to 10 cu. ft.	.....	3.50	2.00	5.50 Per M.B.M.
						over 10 to 20 cu. ft.	.....	.....	.....	.03 Cu. Ft.
Sept. 25	Oct. 21	Abinger Twp.	1 $\frac{1}{2}$	2	Messrs. Eddy and Graham, Cloyne, Ont.	over 20 to 30 cu. ft.	.....	.....	.....	.04 Cu. Ft.
						over 30 to 40 cu. ft.	.....	.....	.....	.05 Cu. Ft.
						over 40 to 50 cu. ft.	.....	.....	.....	.06 Cu. Ft.
						over 50 cu. ft.	.....	.....	.....	.07 Cu. Ft.
Sept. 25	Oct. 21	Abinger Twp.	1 $\frac{1}{2}$	2	Messrs. Eddy and Graham, Cloyne, Ont.	Red and White Pine	.....	.....	.....	.08 Cu. Ft.
						Spruce and Balsam	5.50	12.50	2.50	20.50 Per M.B.M.
						Tamarac Logs	7.00	8.00	2.00	17.00 Per M.B.M.
						Poplar Logs	5.00	8.00	1.50	14.50 Per M.B.M.
Sept. 25	Oct. 21	Abinger Twp.	1 $\frac{1}{2}$	2	Messrs. Eddy and Graham, Cloyne, Ont.	Poplar Logs	5.00	6.00	2.00	13.00 Per M.B.M.
						Poplar Logs	5.00	6.00	2.00	13.00 Per M.B.M.
						Poplar Logs	5.00	6.00	2.00	13.00 Per M.B.M.
						Poplar Logs	5.00	6.00	2.00	13.00 Per M.B.M.

TABLE No. 3
Timber Sales from April 1, 1947 to March 31, 1948

Date Offered 1947	Date Sold 1947	Locality	Area sq. miles	No. of Tenders	To Whom Sold	Prices Paid				Total
						Kind of Timber	Bid	Upset	Dues	
Sept. 29	Oct. 21	Chandos Twp.	1/4	1	Joseph T. Mahoney, Clydesdale, Ont.	Maple, Birch, Basswood and Oak Elm and Ash Spruce Balsam Cedar Hemlock Poplar Fuelwood	\$1.00 .50 1.25 1.25 .25 1.00 3.50 .25 .25	\$4.50 3.50 5.00 5.00 4.50 3.50 3.00......50	\$2.50 2.50 2.00 2.00 1.50 1.50 2.00......50	\$ 8.00 Per M.B.M. 6.50 Per M.B.M. 8.25 Per M.B.M. 8.25 Per M.B.M. 6.25 Per M.B.M. 6.00 Per M.B.M. 5.25 Per M.B.M. ..... .75 Per Cord
Oct. 8	Oct. 20	White Twp.	2	1	Shaw Bros., Pembroke, Ont.	Jackpine Poles 7" D.B.H. and over Up to 10 cu. ft. Over 10 to 20 cu. ft. Over 20 to 30 cu. ft. Over 30 to 40 cu. ft. Over 40 to 50 cu. ft. Over 50 cu. ft. Poplar Logs	..... ..... ..... ..... ..... ..... ..... ..... .....	..... ..... ..... ..... ..... ..... ..... ..... 4.00	..... ..... ..... ..... ..... ..... ..... ..... 2.00	.03 Cu. Ft. .04 Cu. Ft. .05 Cu. Ft. .06 Cu. Ft. .07 Cu. Ft. .08 Cu. Ft. 6.00 Per M.B.M.
Oct. 18	Nov. 17	Gillmor, Curtis, Chesley, Chesley and I. Twps., etc., Algoma District.	500	1	Roddis Lumber and Veneer Co. (Canada) Ltd., Sault Ste. Marie, Ont.	Hardwood Logs Pine Logs	1.50 2.50	4.50 6.00	2.50 2.50	8.50 Per M.B.M. 11.00 Per M.B.M.
Oct. 18	Nov. 17	Townships 149, 155, 161, 169, 176 and 182, Algoma Dist.	150	1	Roddis Lumber and Veneer Co. (Canada) Ltd., Sault Ste. Marie, Ont.	Hardwood Logs	1.50	4.50	2.50	8.50 Per M.B.M.
Oct. 21	Nov. 19	Rose Twp.	1/4	2	Pennington Lumber Co. (Canada) Ltd., Thessalon, Ont.	Maple Logs Birch Logs Oak Logs Hemlock Logs	2.50 2.50 2.50 1.50	3.50 5.50 5.50 3.50	2.50 2.50 2.50 1.50	8.50 Per M.B.M. 10.50 Per M.B.M. 10.50 Per M.B.M. 6.50 Per M.B.M.

TABLE No. 3
Timber Sales from April 1, 1947 to March 31, 1948

Date Offered 1947	Date Sold 1947	Locality	Area sq. miles	No. of Tenders	To Whom Sold	Prices Paid			Total
						Kind of Timber	Bid	Upset	
Oct. 21	Nov. 19	Prince Twp.	¼	2	Fred Wiita, R.R. No. 1, Dacey Rd. Tarentorus Twp. Via Sault Ste. Marie, Ont.	Birch and Oak Logs Maple Logs Pine Logs Hemlock Logs Spruce Logs Spruce Pulpwood Cedar Posts	\$1.30 .30 .30 .30 .30 .30 .01	\$5.50 2.50 2.50 1.50 2.00 1.40 .02	% 9.30 Per M.B.M. 6.30 Per M.B.M. 10.30 Per M.B.M. 4.30 Per M.B.M. 7.80 Per M.B.M. 2.05 Per Cord .06 each
Oct. 23	Nov. 20	Wells Twp.	½	4	Clarence Rowan, Thessalon, Ont.	Maple Logs Birch Logs Oak Logs Hemlock Logs	4.00 4.00 4.00 2.00	3.50 5.50 5.50 2.50	10.00 Per M.B.M. 12.00 Per M.B.M. 12.00 Per M.B.M. 6.00 Per M.B.M.
Oct. 24	Nov. 24	Griffith and Lyndoch Twps.	½	2	W. L. Lambert, R. R. No. 1, Clontarf P.O., Ont.	Red, White Pine Logs Spruce Logs Balsam Logs Poplar Logs	1.00 1.50 1.50	8.50 6.00 6.00 4.50	12.00 Per M.B.M. 9.50 Per M.B.M. 9.50 Per M.B.M. 6.50 Per M.B.M.
Oct. 29	Nov. 24	Wells Twp.	¾	3	Pennington Lumber Co. (Canada) Ltd., Thessalon, Ont.	Birch and Oak Logs Other Hardwoods Pine Logs Hemlock Logs Spruce Logs	2.50 2.50 2.00 1.50 2.00	5.50 3.50 2.50 2.50 5.00	10.50 Per M.B.M. 8.50 Per M.B.M. 14.00 Per M.B.M. 5.50 Per M.B.M. 9.00 Per M.B.M.
Nov. 4	Nov. 25	Galbraith Twp.	¾	1	Malcolm Foster, Rydal Bank, Ont.	Birch Logs Maple Logs Oak Logs Pine Logs Hemlock Logs	2.00 1.00 2.00 2.00 1.00	5.50 3.50 5.50 7.50 3.00	10.00 Per M.B.M. 7.00 Per M.B.M. 10.00 Per M.B.M. 12.00 Per M.B.M. 5.50 Per M.B.M.
Nov. 6	Nov. 25	Lowther Twp.	2¾	1	Mr. Odelon Payeur, Hearst, Ont.	Spruce Logs Poplar Logs Spruce Pulpwood Balsam Pulpwood	...........01	5.50 1.25 .35	7.50 Per M.B.M. 3.25 Per M.B.M. 1.76 Per Cord To be paid for at same rate as tendered on Spruce Pulpwood.

TABLE No. 3
Timber Sales from April 1, 1947 to March 31, 1948

Date Offered 1948	Date Sold 1948	Locality	Area sq. miles	No. of Tenders	To Whom Sold	Prices Paid				Total
						Kind of Timber	Bid	Upset	Dues	
Jan. 15	Feb.	4 Ashby Twp.	1/4	1	Bert Barker, McArthur's Mills, Ont.	Pine Logs Spruce & Balsam Logs Hemlock Maple, Birch, Elm and Ash Logs Poplar Logs	1.00 1.00......10	9.50 8.00 5.50 7.50 5.00	2.50 2.00 1.50 2.50 2.00	13.00 Per M.B.M. 11.00 Per M.B.M. 7.00 Per M.B.M. 10.10 Per M.B.M. 7.00 Per M.B.M.
Jan. 16	Feb.	4 Pacaud Twp.	1/4	1	Vilho Pekkola, Tarzwell P.O., Ont.	Jackpine Logs Spruce Pulpwood Poplar Pulpwood Jackpine Pulpwood	.50 .20	6.50 .25 .45 .45	1.50 1.40 .40 .40	8.50 Per M.B.M. 1.85 Per Cord .85 Per Cord .85 Per Cord
Jan. 19	Feb.	5 Haddo Twp.	2 1/4	1	J. Roger Pilon, Lavigne, Ont.	Birch and Ash Poplar	1.00 1.00	.25 .50	.50 .25	1.75 Per Cord 1.75 Per Cord
Jan. 19	Feb.	10 Kelvin Island, Lake Nipigon, Thunder Bay Dist.	27	1	Nipigon Lake Lbr. Co. Ltd., Port Arthur, Ont.	Spruce and Balsam Poplar	.01 3/4 .00 1/2	.01 3/4 .00 1/2	..........	.03 1/2 Per Cu. Ft. .01 Per Cu. Ft.
Jan. 26	Feb.	10 Parkin Twp.	5	3	M. J. Pouppore Lumber Co. Ltd., Skead, Ont.	Jackpine Spruce and Balsam Birch and Poplar Cedar	.01 .01 .00 1/2 .00 1/4	.01 3/4 .01 3/4 .01 .0102 3/4 Per Cu. Ft. .02 3/4 Per Cu. Ft. .01 1/2 Per Cu. Ft. .01 1/4 Per Cu. Ft.



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